THE AMERICAN JOURNAL OF PHARMACEUTICAL EDUCATION

INDEX TO AUTHORS

INDEX TO SUBJECTS AND TITLES

VOLUMES 14 THROUGH 20

1950-1956

INDEX TO AUTHORS

A

Ahlquist, Raymond P.
A Student Experiment on Peripheral Blood Flow, **15,** 218, 1951.

Alstodt, Berl S.
Memorial to Salvatore Santelli, **20,** 250, 1956.

Anderson, G. Lester
The University and Professional Education, **15,** 500, 1951.

Anderson, Mary Langevin
A Symposium and Seminar, **18,** 92, 1954.

Apple, William S.
An Analysis of **The Survey's** Recommendations for In-Service Training for Pharmacists, **19,** 327, 1955.

Archambault, George F.
Benjamin E. Holsendorf (1874-1944), **14,** 305, 1950.

Atkinson, William N.
Problems of Admission from Pre-Pharmacal Programs (Part of a Panel), **20,** 520, 1956.

B

Baer, Karl A.
Bibliographic Tools for Selection of Published Materials in Pharmacy, **18,** 373, 1954.

Ballard, Charles W.
The Hugo H. Schaefer Remington Medal Presentation, **16,** 347, 1952.
Industrial Literature in Visual Instruction, **14,** 188, 1950.

Bang, Haakon
Research in Pharmacy Administration, **18,** 44, 1954.

Barr, Martin
A National Seminar Program for the Practicing Pharmacist, **17,** 252, 1953.

Bauer, Charles W.
Should a Course in Statistical Analysis be Required of All Graduate Students?, **17,** 91, 1953.

Beal, George D.
Edward Kremers Memorial Lecture, **15,** 5, 1951.
Pharmacy's Place in Scientific Development, **17,** 36, 1953.
The Significance of Honor Societies, **15,** 35, 1951.

Beals, Ernest L.
Undergraduate Chemical Training of the Pharmacist Entering the Pharmaceutical Industry, **16,** 419, 1952.

Beils, David
A Memorial to Curt P. Wimmer, **15,** 615, 1951.

Bennion, Adam S.
The Value of Pre-Professional Training for Pharmacy, **18,** 173, 1954.

Benton, Byrl E.
Drake's Fitch Hall of Pharmacy, **20,** 169, 1956.
Manufacturing for Hospital Pharmacy (Abstract), **14,** 125, 1950.

Berman, Alex
C. S. Rafinesque (1783-1840): a Challenge to the Historian of Pharmacy, **16,** 409, 1952.
The Section on Practical Pharmacy of the American Pharmaceutical Association, **17,** 351, 1953.

Bingenheimer, L. E., Jr.
The Prescription Survey as a Teaching Aid in Dispensing Pharmacy, **18,** 107, 1954.
Stimulating Compounding Accuracy in Dispensing Pharmacy Students, **17,** 236, 1953.

Blandy, W. H. P.
A Tribute to S. Barksdale Penick, **17,** 729, 1953.

Blauch, Lloyd E.
The Education of Teachers of

Pharmaceutical Chemistry, **17,** 169, 1953.
Pre-Professional Education for Pharmacists (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), **20,** 520, 1956.
The Professions, **17,** 12, 1953.
The Report on the Pharmaceutical Curriculum, **17,** 50, 1953.
Summary and Evaluation of the Seminar on Pharmacognosy, **17,** 560, 1953.
A Summary and Review of the Teachers' Seminar on Pharmaceutical Education, **18,** 592, 1954.

Bliven, Charles W.
The Problem of Pharmaceutical Administration, **14,** 312, 1950.
Report of Delegates to the American Council on Education, 17 679, 1953; **19,** 774, 1955.
Rufus Ashley Lyman—A Student's View, **20,** 15, 1956.

Blockstein, William L.
Memorial to George Bernard Hook, **20,** 459, 1956.
Memorial to Julius Arnold Koch, **20,** 457, 1956.
Memorial to Louis Saalbach, **20,** 118, 1956.
Pharmacy Discovers Public Relations, **20,** 208, 1956.
Report of the Joint Committee on Public Relations of the American Association of Colleges of Pharmacy and American College Public Relations Association, **18,** 631, 1954; **19,** 769, 1955; **20,** 400, 1956.

Bonow, Eunice R.
The History of Professional Pharmaceutical Fraternities for Women, **18,** 409, 1954.
The Women's Section of the American Pharmaceutical Association, **17,** 383, 1953.

Boucher, Chauncey Samuel
Honors and Education in Perspective, **18,** 188, 1954.

Bowers, Roy A.
Report of the Committee on Continuation Studies, **20,** 392, 1956.
Report of the Representatives to the National Drug Trade Conference, **20,** 416, 1956.
The Rho Chi Society, **19,** 244, 1955.
Report of the Subcommittee on Extension Education, **19,** 726, 1955.

Brady, Edward S.
Notes on Graduate Study, **18,** 500, 1954.
The Six Year Program: A Progress Report, **17,** 448, 1953.

Brans, P. H.
The Day of the History of Pharmacy at Paris, September 17, 1953, **18,** 154, 1954.

Brecht, Edward A.
Benefits Attainable from the Quantitative Evaluation of Student Preparations, **16,** 460, 1952.
Memorial to Marion Lee Jacobs, **14,** 507, 1950.
Report of the Committee on Personnel Problems, **16,** 68, 1952; **16,** 625, 1952.
Report of the Committee on Predictive and Achievement Tests, **17,** 659, 1953; **19,** 159, 1955.

Brewer, Willis R.
Dr. Rufus A. Lyman at the University of Arizona, **20,** 21, 1956.
Memorial to Bernard Aloysius Bialk, **19,** 233, 1955.
The University of Arizona College of Pharmacy, **18,** 223, 1954.

Briggs, W. Paul
The Current and Future Program of the American Foundation for Pharmaceutical Education, **15,** 513, 1951.
Education or Catastrophe, **16,** 549, 1952.
Proceedings of the American Foundation for Pharmaceutical Education, **20,** 227, 1956.

Brodie, Donald C.
The General Seminar, **17,** 106, 1953.
Problems Facing Teachers of Pharmacy, **17,** 211, 1953.
Report of the Committee on Audio-visual Education, **16,** 106, 1952; **16,** 582, 1952; **17,** 662, 1953; **18,** 623, 1954.
The Terminal Course in Pharmacy, **14,** 565, 1950.
The Terminal Course in Pharmacy-Dispensing Pharmacy (Abstract), **14,** 96, 1950.
Brown, Clarence M.
A Memorial to Clair Albert Dye, **14,** 250, 1950.
Brown, Jean
Encouraging the Dispensing of Buffered and Isotonic Eye Prescriptions by Practical Teaching Methods, **20,** 222, 1956.
Points for Emphasis in the Teaching of Dispensing Pharmacy, **18,** 101, 1954.
Burckhalter, J. H.
The Importance of Heterocyclic Chemistry in the Teaching of Organic Pharmaceutical Chemistry, **17,** 197, 1953.
Should the Pharmacy Schools Abandon Research in Synthetic Pharmaceutical Chemistry and Pharmacology?, **19,** 298, 1955.
Burlage, Henry M.
The Facilities of the College of Pharmacy of the University of Texas, **20,** 172, 1956.
Burn, J. Harold
Recent Developments in Biological Standardization, **17,** 54, 1953.
Burt, Joseph B.
Address of the President-Elect, **18,** 566, 1954.
Enrollment in Schools and Colleges of Pharmacy, **15,** 123, 1951.
A Message from the Executive Committee, **15,** 259, 1951.
Pharmaceutical Technique (Abstract), **14,** 80, 1950.
The President's Section—An Experiment in Intraprofessional Relations, **19,** 179, 1955.
Report of the Executive Committee, **14,** 433, 1950; **15,** 542, 1951; **16,** 566, 1952; **17,** 580, 1953.
Report of the President, **19,** 439, 1955.
Rufus Ashley Lyman, A Biographical Sketch, **20,** 1, 1956.
Time of Annual Meeting, A Perennial Problem, **20,** 538, 1956.
Busse, Louis W.
Physical Pharmacy, **14,** 355, 1950.
Physical Pharmacy, the Nature of and Need for This Course, **15,** 66, 1951.
Report of the Committee on Predictive and Achievement Tests, **19,** 763, 1955.
Byrum, Woodrow R.
A Bibliography of Teaching Aids in Pharmacy Administration, **19,** 346, 1955.

C

Cartland, G. F.
The Pharmacy-Trained Ph.D. in Industry, **20,** 29, 1956.
Cataline, E. L.
Report of the Committee on Predictive and Achievement Tests, **14,** 638, 1950; **16,** 72, 1952.
Chavkin, Leonard T.
The Need for Education Training for Teachers in Colleges of Pharmacy, **16,** 369, 1952.
Christensen, Bernard V.
The 1949 Pharmacy Seminar—the Objectives, **14,** 5, 1950.
The Origin and Development of the Pharmaceutical Survey, April 1946 to June 1949, **17,** 18, 1953.

The President's Page, **14,** 327, 1950; **14,** 233, 1950.
Report of Delegate to the American Council on Education, **16,** 683, 1952; **16,** 140, 1952.
Report of the President of the American Association of Colleges of Pharmacy, **14,** 381, 1950.
The Seminar in Pharmacy Administration, **14,** 693, 1950.

Christensen, Carl J.
The Character of Research at the Doctorate Level in the Physical Sciences, **18,** 231, 1954.

Christian, J. E.
Memorial to Leroy Delos Edwards, **19,** 228, 1955.
Report of the Committee to Study Graduate Education in Pharmacy, **20,** 404, 1956.

Claus, Edward P.
A Brief History of the Plant Science Seminar, **17,** 433, 1953.
Report of the Secretary-Treasurer of the Council on Conference of Teachers, **19,** 544, 1955.
The Twenty-Seventh Annual Plant Science Seminar, **14,** 691, 1950.
The Twenty-Eighth Annual Plant Science Seminar, **16,** 174, 1952.

Clift, Virgil A.
A Survey of Methods and Procedures for the Teaching of Pharmacy, **16,** 189, 1952.

Coghill, Marjorie Moburg
The Measuring Stick for Professional Panhellenic Association Membership, **16,** 350, 1952.

Cole, B. Olive
Memorial to J. Carleton Wolf, **19,** 231, 1955.

Conley, Bernard E.
Pesticides—Their Place in the Pharmacy Curriculum, **16,** 41, 1952.

Cooper, Chauncey I.
The Conference of Teachers of Pharmacy Administration, **16,** 433, 1952.
An Experiment with Pharmaceutical Administration at Howard University, **14,** 309, 1950.
Report of the Committee on Educational and Membership Standards, **20,** 357, 1956.

Costello, P. H.
Report of the American Council on Pharmaceutical Education, Inc., **14,** 254, 1950; **16,** 143, 1952; **16,** 696, 1952; **17,** 654, 1953; **18,** 653, 1954; **19,** 500, 1955; **20,** 338, 1956.

Cross, John M.
Report of the Delegate to the American Association for the Advancement of Science, **20,** 410, 1956.

Crossen, George E.
Requirement of Reasonable Accuracies in Prescription Compounding Laboratory, **16,** 436, 1952.

D

Daniels, Troy C.
Installation Address of the Incoming President, **16,** 537, 1952.
New Medical Sciences Building, University of California Medical Center, San Francisco, **20,** 163, 1956.
The President's Page, **17,** 124, 1953; **17,** 280, 1953; **17,** 515, 1953.
The Six Year Program in Pharmacy and Graduate Instruction on Leading to the Ph.D. Degree, **14,** 557, 1950.

Dann, Georg Edmund
The Resume, the International Importance of George Urdang for the History of Pharmacy, **17,** 8, 1953.

Darlington, Roy C.
Increasing Efficiency in Pedagogy—the Primary Objective of the Section on Pharmacy of

the Conference of Teachers, **17,** 201, 1953.

A Survey of Methods and Procedures for the Teaching of Pharmacy, **16,** 189, 1952.

Deardorff, Dwight L.
An Undergraduate Course in Manufacturing Pharmacy, **18,** 422, 1954.

Defoe, O. K.
Predictive Tests Versus Success, **19,** 340, 1955.

DeKay, H. G.
Memorial to Chalmers Joseph Zufall, **18,** 150, 1954.

Memorial to Donald W. Harding, **18,** 536, 1954.

Methods Used in Assay and Control (Abstract), **14,** 120, 1950.

Special Techniques and Agents in the Manufacture of Dosage Forms (Abstract), **14,** 95, 1950.

Deno, Richard A.
Forum on Teachers' Seminars, American Association of Colleges of Pharmacy, **19, 98,** 1955.

Graduate Study in Member Colleges for 1956-1957, **20,** 73, 1956.

Interim Report of the Secretary-Treasurer, **19,** 506, 1955.

Memorial to Howard Bishop Lewis, **18,** 352, 1954.

Minutes of the Annual Meeting Executive Committee American Association of Colleges of Pharmacy, **18,** 681, 1954; **19,** 565, 1955; **20,** 420, 1956.

Minutes of the Interim Meeting Executive Committee American Association of Colleges of Pharmacy, **18,** 287, 1954; **19,** 367, 1955; **20,** 82, 1956.

Minutes of the Post-Session Meeting of the Executive Committee, **17,** 702, 1953; **18,** 699, 1954; **19,** 580, 1955; **20,** 433, 1956.

Needs of Our Colleges of Pharmacy, **15,** 525, 1951.

Problems of Admission from Pre-Pharmacal Programs (A Summary of the Panel), **20,** 520, 1956.

Recruitment for Pharmacy, **18,** 5, 1954.

Report of the Committee on Libraries, **17,** 597, 1953.

Report of the Committee on Recruitment Aids, **20,** 385, 1956.

Report of the Committee on Resolutions, **17,** 690, 1953; **18,** 675, 1954.

Report of the Committee on Resolutions and Resolutions from the Executive Committee, **19,** 555, 1955.

Report of the Delegates to the American Council on Education, **19,** 774, 1955.

Report of the Joint Committee on Pharmacy College Libraries, **18,** 646, 1954.

Report of the Secretary-Treasurer, **18,** 607, 1954; **20,** 329, 1956.

Report on the Work Conference of Representatives of American Council on Education, **18,** 668, 1954.

The Role of the Biologic Sciences in the Development of Pharmaceutic Service, Section 1. General Biology, Anatomy, Histology, **17,** 401, 1953.

Summary of the Executive Session 1954 Annual Meeting, American Association of Colleges of Pharmacy, R. A. Deno, **18,** 673, 1954.

Summary of Fifty-Seventh Annual Meeting, **20,** 437, 1956.

Dietrick, Edward V.
Mathematics of U.S.P. XIV Bioassays, **15,** 55, 1951.

Dille, James M.
The Problem of Publication in Science, **17,** 70, 1953.

Discher, Clarence A.
A Laboratory Outline and Some New Experiments for General Chemistry, **14,** 596, 1950.

Drucker, A. J.
Predicting Success in Pharmaceutical Education, **15,** 149, 1951.

Dufrenoy, Jean
Antibiotics in Pharmaceutical Education, **14,** 162, 1950.

E

Edwards, L. D.
The Advising of Graduate Students with Respect to Selection of Courses and Research Problems, **19,** 29, 1955.
The Minimum Prerequisites for the Undergraduate Pharmacology Course, **16,** 235, 1952.

Eiler, J. J.
The Education of Pharmacists, **19,** 296, 1955.

Einbeck, Arthur H.
Report of the Joint Committee on the Status of Pharmacists in Government Service, **14,** 624, 1950; **16,** 94, 1952; **16,** 606, 1952; **17,** 646, 1953; **19,** 145, 1955; **19,** 750, 1955.

Elliott, Edward C.
Actions and Reactions, **14,** 400, 1950.
Between Ourselves: Old Notes and New Counter Notes, **19,** 633, 1955.
Recent Steps Toward Coordination and Improvement of Accrediting Procedures, Statement Relative to Pharmaceutical Education, **14,** 158, 1950.
When? A Personal Measure of Him Who Was and Is, **20,** 8, 1956.

Endicott, Kenneth M.
The Research Grant and Fellowship Program of the National Institutes of Health, **15,** 520, 1951.

Evanson, Robert V.
Group Dynamics Teaches Sales Promotion, **20,** 599, 1956.
A Memorial to Donald W. Harding, **18,** 536, 1954.

F

Faust, Richard E.
Memorial to M. Robert Buchdahl, **20,** 649, 1956.

Ferris Faculty
Memorial to Wanda J. Butler, **19,** 826, 1955.

Fischelis, Robert P.
Pharmacy as a Member of the Healing Arts, **16,** 428, 1952.
Where Will They Find Jobs, **15,** 394, 1951.

Fonda, Lyman D.
Practical Applications of Visual Aids in Pharmacy Teaching, **18,** 412, 1954.

Foote, Perry A.
Report of the Committe on Professional Relations, **14,** 643, 1950; **16,** 88, 1952.

Foss, Noel E.
Industrial Pharmacy, **14,** 205, 1950.
Report of the Committee on Civil Defense Education, **20,** 380, 1956.
Report of the Committee on Resolutions, **14,** 471, 1950.
Report of the Committee on Status of Pharmacists in Government Service, **19,** 746, 1955.
Report on the Conference of Organization, Member Representatives of the American Council on Education, **16,** 686, 1952.
Report of the Delegate to the American Council on Education, **14,** 636, 1950; **16,** 137, 1952.

Report on the Pharmacy Section Program of the Sixtieth Annual Meeting of the Association of Military Surgeons of the United States, **19,** 171, 1955.

Franke, Norman H.
The Section on Pharmaceutical Economics of the American Pharmaceutical Association, **17,** 334, 1953.

G

Gershenfeld, Louis
The Importance of a Knowledge of Microbiology to the Retail Pharmacist, **19,** 74, 1955.

Gibson, Melvin R.
Editorial, **20,** 241, 1956; **20,** 108, 1956; **20,** 644, 1956.
Educators of the Future, **18,** 447, 1954.
Memorial to P. H. Dirstine, **20,** 118, 1956.
President Harold George Hewitt—The Man and His Life, **20,** 153, 1956.
Report of the Editor of the American Journal of Pharmaceutical Education, **20,** 346, 1956.

Gisvold, Ole
Report of the Committee on Pharmaceutical Research, **16,** 602, 1952; **17,** 617, 1953.

Goldner, Karl J.
Dispensing of Solutions (Abstract), **14,** 101, 1950.

Goodness, Joseph H.
Cost and Sales Percentage Analysis Chart, **16,** 262, 1952.
The Pharmacy School Teacher and Pharmacy Legislation, **18,** 58, 1954.

Goodrich, Forest J.
Report of the Committee on Educational and Membership Standards, **19,** 736, 1955.

Goyan, Frank M.
Application of Physical Principles to the Preparation of Pharmaceuticals (Abstract), **14,** 85, 1950.
Physical Chemistry for Pharmacy Students, **16,** 31, 1952.

Green, Melvin W.
The Chairman's Address, Section of Teachers of Chemistry, **18,** 62, 1954.
Library Survey of Colleges of Pharmacy, Fall of 1953, **18,** 600, 1954.
Precision in Beginning Courses in Quantitative Analysis, **15,** 401, 1951.
Progress and Problems in Graduate Instruction in Pharmacy, **19,** 466, 1955.
Recent Progress in Pharmaceutical Education, **17,** 541, 1953.
The Sixth Annual Teachers' Seminar—An Evaluation, **18,** 590, 1954.

Greenberg, Isidore
Business Mortality in Retail Pharmacy and the Pharmacy Administration Program, **20,** 211, 1956.
The Development of a Graduate Program Leading to the Master's Degree in Pharmacy Administration, **20,** 619, 1956.
The Development of a Program of Student Research Projects at the Brooklyn College of Pharmacy, **15,** 438, 1951.
The Integration of Hospital Pharmacy Administration into the Pharmacy Business Management Curriculum, **17,** 275, 1953.
Practical Applications of Visual Aids in Pharmacy Teaching, **18,** 412, 1954.
The Use of the Comprehensive Project Method in Teaching Pharmacy Administration, **20,** 215, 1956.

Griffenhagen, George B.
The Scientific Section of the American Pharmaceutical Association, **17,** 342, 1953.

Griffith, Ivor
The Contributions of the American Pharmaceutical Associa-

tion to the American Association of Colleges of Pharmacy, **16,** 557, 1952.

Memorial to Freeman Preston Stroup, **16,** 723, 1952.

Memorial to Julius W. Sturmer, **16,** 722, 1952.

Grolle, Floyd A.

The Use of Break-Even Graph Procedures in Pharmacy Administration Teaching, **20,** 628, 1956.

Gustafson, Carroll B.

An Opportunity for Learning in the Undergraduate Chemistry Laboratory Course, **16,** 465, 1952.

Guth, Earl P.

A Functional Course in Dispensing Pharmacy, **18,** 96, 1954.

Memorial to Bernard V. Christensen, **20,** 649, 1956.

Report of the Committee on Graduate Study in Pharmacy, **14,** 451, 1950; **16,** 89, 1952; **16,** 586, 1952.

Statistical Analysis as a Requirement for All Graduate Students in Pharmacy, **17,** 430, 1953.

Guthrie, William S.

Uniform Pre-Professional Programs, **14,** 405, 1950.

H

Hadley, Willard J.

The Objectives and Content of the University Course in Animal Health Pharmacy, **19,** 689, 1955.

Hager, George P.

The Applicant for Graduate Study in Pharmaceutical Chemistry, **16,** 240, 1952.

The Pre-Pharmacy Requirement and the Graduate Program, **17,** 219, 1953.

Hall, Esther Jane Wood

Correlation Between a Teacher of Pharmacy Jurisprudence and a Teacher of Pharmacy Dispensing, **18,** 49, 1954.

Hall, Alvah G.

Report of the Delegate to the National Wholesale Druggists' Association, **19,** 175, 1955.

Hammarlund, E. Roy

Biological Products—The Nature of and Need for This Course, **18,** 453, 1954.

Hammond, E. L.

The Midshipman Cruise on the U.S.S. Macon, **18,** 463, 1954.

Hampton, Richard J.

Seasonal Fluctuations in Retail Drug Store Sales, **18,** 427, 1954.

Harding, Donald W.

Twenty-Five Years of Pharmacy Graduate Work at Purdue, **15,** 231, 1951.

Hardt, Robert A.

Pharmacy Is Worth Fighting For: Pharmaceutical Education as it Relates to the Modern Practice of Pharmacy, **19,** 459, 1955.

Harrell, George T.

Pharmacy in University Education for the Health Sciences, **20,** 511, 1956.

Harris, C. W.

Suggested Methods for Achievement Testing, **14,** 69, 1950.

Harris, Loyd E.

Experience with the Two-Three Program at Ohio State University (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), **20,** 520, 1956.

Hartsell, S. E.

The Scope of the Course in Microbiology for Pharmacy Students, **19,** 69, 1955.

Hartung, Walter H.

Advising Graduate Students in Non-Curricular Matters, **19,** 36, 1955.

Chemistry vs. Pharmacology, **14,** 603, 1950.

Harwood, A. A.
Memorial to Bert Ray Mull, **20,** 250, 1956.

Hayman, J. Lester
Report of the Committee on Constitution and Bylaws, **19,** 518, 1955.
Report of the Representative to the National Wholesale Druggists' Association, **20,** 418, 1956.

Hewitt, H. G.
Address of the President-Elect, H. G. Hewitt, **20,** 320, 1956.
Problems of Admission from Pre-Pharmacal Programs, Moderator of the Panel, **20,** 520, 1956.
The President's Section, **20,** 637, 1956.
Report of the Committee on Conference of Teachers, **16,** 624, 1952.

Higuchi, T.
Colloid, Emulsions, and Suspensions (Abstract), **14,** 88, 1950.
Colloid, Emulsion, and Suspensions, **15,** 418, 1951.
Level of Physical Chemistry in the Undergraduate Curriculum, **20,** 549, 1956.
The Undergraduate Curriculum from the Viewpoint of Graduate Instruction in Pharmacy, **16,** 239, 1952.

Hine, Charles H.
Toxicology Education in the Accredited Colleges of Pharmacy of the United States, **15,** 41, 1951.

Hiner, L. David
An Experiment in Teaching Drugstore Management at Utah, **15,** 22, 1951.
Methods of Stimulating Students for Graduate Study in Pharmacognosy, **18,** 494, 1954.
Pharmacognosy and State Board Examinations, **16,** 448, 1952.
Report of the Committee on Resolutions, Resolutions from the Executive Committee, and Resolution from the Floor, **20,** 367, 1956.

Hoch, J. Hampton
Pharmacognosy Laboratory Work. Some of Its Important Aspects, **16,** 450, 1952.
The Plant Science Seminar Annual Meeting, **19,** 176, 1955.
Thirtieth Annual Plant Science Seminar, **18,** 160, 1954.
The Twenty-Ninth Annual Plant Science Seminar, **17,** 159, 1953.

Hook, George B.
Does the Procurement Agent for Medical Supplies Differ from the General Purchasing Agent?, **17,** 419, 1953.
A Teacher-Training Program in Pharmacy Administration, **16,** 456, 1952.

Hopponen, Raymond E.
What Can We Expect of the Five Year Program?, **17,** 217, 1953.

Hughes, F. N.
For Better Public and Professional Relations, **17,** 499, 1953.

Hunkins, Louise
Pharmacy as a Profession for Women, **16,** 349, 1952.

Husa, William J.
Report of the Committee on Pharmaceutical Research, **16,** 87, 1952; **14,** 642, 1950.

J

James, Arthur E.
General Objectives in Quantitative Analysis and Drug Assay in the Pharmacy Curriculum, **18,** 74, 1954.
Report of the Committee on Educational and Membership Standards, **16,** 104, 1952; **16,** 597, 1952; **17,** 608, 1953; **19,** 124, 1955.

Jannke, Paul J.
Graduate Students in Pharmacy, **19,** 95, 1955.

Jeffries, S. B.
The Development of a Graduate Program Leading to the Master's Degree in Pharmacy Administration, **20,** 619, 1956.
The Integration of Hospital Pharmacy Administration into the Pharmacy Business Management Curriculum, **17,** 275, 1953.
The Use of Audio-visual Aids in Pharmaceutical Training, **16,** 271, 1952.
The Use of the Comprehensive Project Method in Teaching Pharmacy Administration, **20,** 215, 1956.
Use of Financial Controls in the Retail Pharmacy, **17,** 260, 1953.
Jenkins, Glenn L.
American Association for the Advancement of Science, Pharmacy Subsection 1950 Meeting, **14,** 524, 1950.
The American Association for the Advancement of Science and Pharmacy, **19,** 361, 1955.
Memorial to Leroy Delos Edwards, **19,** 228, 1955.
The Origin and Development of the Pharmaceutical Survey, April 1946 to June 1949, **17,** 18, 1953.
Pharmacy Subsection, Np, Elevated to Sectional Status in the American Association for the Advancement of Science, **18,** 742, 1954.
Report of the Teachers Seminar on Pharmacology and Related Subjects, **15,** 621, 1951.
A Resume of the Papers Presented on the Program of the Section on Medical Sciences (Subsection on Pharmacy Np) of the American Association for the Advancement of Science at the 1950 Cleveland Meeting, **15,** 131, 1951.
Should Physical Chemistry Including Instrumentation be Required of All Graduate Students in Pharmacy?, **17,** 100, 1953.
The 1951 Teachers' Seminar on Pharmacology, **15,** 265, 1951.
Twenty-Five Years of Pharmacy Graduate Work at Purdue, **15,** 231, 1951.
Johnson, Elizabeth W.
A Proposed Course for Teaching the Use of the Library at the Philadelphia College of Pharmacy and Science, **14,** 606, 1950.
Johnson, Frederick F.
The Importance of Drug Assay Courses to Pharmacists in Industry, **18,** 83, 1954.
Johnson, Henry S.
Memorial to Leslie Burns Barrett, **14,** 509, 1950.
Jones, F. Taylor
General Education—The Miracle Drug?, **19,** 285, 1955.
Jones, Roy H.
The University of Arkansas School of Pharmacy, **17,** 248, 1953.

K

Kanig, Joseph L.
Evaluation of Students in the Dispensing Laboratory, **20,** 51, 1956.
The Need for Education Training for Teachers, **16,** 369, 1952.
Kaufman, Karl L.
Ethics for the Pharmacy Student, **17,** 225, 1953.
Report of Delegates to the American Council on Education, **20,** 410, 1956.
Teaching Professional Ethics, **18,** 255, 1954.
Kazin, Louis E.
Can You Teach Pharmacy Administration Without Periodic Retail Pharmacy Contacts?, **20,** 47, 1956.
Pharmacy Internship Must Be a

Postgraduate Program, **17,** 424, 1953.

Kearns, James A.
Mathematics Requirements in Colleges of Pharmacy, **20,** 59, 1956.
Proficiency in Pharmaceutical Calculations, **18,** 442, 1954.
The Seventh Annual Teachers' Seminar—An Evaluation, **19,** 674, 1955.

Kehl, M. Margaret
Tools for Pharmacy College Librarianship, **19,** 15, 1955.

Kelley, Ray S.
Report of Committee on Activities for Alumni, **17,** 599, 1953.

Kern, Joseph H.
Higher Education and Pharmacy Administration, **20,** 604, 1956.

Kidder, James H.
Report of the Committee on Civil Defense Education, **17,** 675, 1953; **19,** 157, 1955.

King, Theodore O.
A Study of the Teaching of Pharmacology in Colleges of Pharmacy in 1952-53, **17,** 436, 1953.

Klemme, Carl J.
Laboratory Control (Abstract), **14,** 123, 1950.
Pharmaceutical Manufacturing (Abstract), **14,** 118, 1950.

Kuna, Samuel
Mathematics of USP XIV Bioassays, **15,** 55, 1951.

L

Lee, Charles O.
Memorial to Chalmers Joseph Zufall, **18,** 150, 1954.
Outline of Assignments for History of Pharmacy (Abstract), **14,** 157, 1950.
Pharmacy in South Korea, **19,** 683, 1955.
Professional Nomenclature (Abstract), **14,** 82, 1950.
Professional Nomenclature, **15,** 407, 1951.
Report of the Committee on Libraries, **14,** 613, 1950; **16,** 79, 1952; **16,** 632, 1952.

Leicester, Henry M.
Applied Science in Chemical Industry, **15,** 308, 1951.

Lemon, A. B.
Memorial to Wallace Werrett Charters, **16,** 492, 1952.

Leuallen, E. E.
Organic Medicinal Products, What Should Be the Proper Balance and/or Correlation Between the Chemistry and the Pharmacology?, **15,** 43, 1951.

Lichtin, J. Leon
Pharmaceutical Apprenticeship: The State Boards' Views and Regulations, **20,** 200, 1956.
The Relationship Between Measurement and Calculations Used in Pharmacy, **17,** 254, 1953.

Little, Ernest
Abstract of Minutes of the Board of Directors Meeting American Foundation for Pharmaceutical Education Union League Club, New York City, November 17, 1950, **14,** 520, 1950; **15,** 112, 1951.
Abstract of the Minutes of the February 16, 1951 Meeting of the Board of Grants of the American Foundation for Pharmaceutical Education, **15,** 269, 1951.
Abstract of the Minutes of the January 24, 1951 Meeting in New York City of the Executive Committee of the American Foundation for Pharmaceutical Education, **15,** 267, 1951.
Abstracts of the Minutes of the Meetings of the American Foundation for Pharmaceutical Education and of the Board of Directors, **15,** 462, 1951.
Abstract of Minutes of Special Meeting of Members of the American Foundation for

Pharmaceutical Education Union League Club, New York City, November 17, 1950, **15,** 114, 1951.
Dr. Edwin Leigh Newcomb and the American Foundation for Pharmaceutical Education, **15,** 107, 1951.
A History of the American Foundation for Pharmaceutical Education, **15,** 367, 1951.
Memorial to Edwin Leigh Newcomb, **14,** 682, 1950.
Scientific Research from the Viewpoint of the Afterdinner Speaker, **17,** 567, 1953.

Lloyd, William R.
The Facilities of the College of Pharmacy of the University of Texas, **20,** 172, 1956.
Report of the Committee to Study the Course in Principles of Pharmacy, **20,** 569, 1956.

Lyman, R. A., Jr.
My Old Man, **20,** 18, 1956.

Lyman, Rufus A.
Abstract of the Proceedings of the Pharmacy Group of the 1951 Meeting of the Medical Library Association, **16,** 182, 1952.
Allocation of American Foundation for Pharmaceutical Education Fellowships Made by the Board of Grants at Meetings Held on April 25, and June 21 and 24, 1950, **14,** 686, 1950.
The American Foundation for Pharmaceutical Education, Minutes of the Meeting of the Executive Committee (An Abstract), **16,** 179, 1952.
The Annual Meeting of the American Institute of the History of Pharmacy, **14,** 258, 1950.
The Annual Meeting of the Members of the American Foundation for Pharmaceutical Education (An Abstract), **17,** 314, 1953.
Board of Directors' Meeting of the American Foundation for Pharmaceutical Education (An Abstract), **17,** 315, 1953.
Dr. Lyman Comments, **20,** 449, 1956.
The Editor's Page, **14,** 235, 1950; **14,** 329, 1950; **14,** 491, 1950; **14,** 662, 1950; **15,** 79, 1951; **15,** 239, 1951; **15,** 442, 1951; **15,** 598, 1951; **16,** 149, 1952; **16,** 302, 1952; **16,** 473, 1952; **16,** 704, 1952; **17,** 126, 1953; **17,** 282, 1953; **17,** 462, 1953; **17,** 706, 1953; **18,** 116, 1954; **18,** 314, 1954; **18,** 503, 1954; **18,** 706, 1954; **19,** 183, 1955; **19,** 387, 1955; **19,** 586, 1955; **19,** 797, 1955.
Edward C. Reif Biography, **17,** 513, 1953.
Hugo Herman Schaefer, A Biography, **14,** 377, 1950.
J. Allen Reese Biography, **15,** 481, 1951.
Joseph Bell Burt, A Biography, **18,** 557, 1954.
Linwood F. Tice Biography, **19,** 437, 1955.
Memorial to Chauncey Samuel Boucher, **19,** 829, 1955.
Memorial to David Byars Ray Johnson, **19,** 826, 1955.
Memorial to Wayland Delano Wilcox, **18,** 354, 1954.
Minutes of the Annual Meeting (1951) of the American Institute of the History of Pharmacy (An Abstract), **15,** 618, 1951.
Minutes of the Executive Committee, The American Foundation for Pharmaceutical Education (An Abstract), **17,** 313, 1953.
Report of the Committee on Problems and Plans, **14,** 456, 1950; **15,** 576, 1951; **16,** 592, 1952; **17,** 600, 1953; **19,** 120, 1955; **19,** 742, 1955; **20,** 383, 1956.
Report of the Editor of the American Journal of Pharmaceutical Education, **14,** 454, 1950; **16,** 127, 1952; **16,** 674, 1952;

17, 588, 1953; **19,** 170, 1955; **19,** 520, 1955.
Troy Cook Daniels Biography, **16,** 530, 1952.

Lynn, E. V.
A Century of Research in Pharmaceutical Chemistry in the Schools of Pharmacy of the United States, **17,** 183, 1953.
Report of the Representative to the Meeting of the American Association for the Advancement of Science, **19,** 174, 1955.

M

Macht, David I.
Biblical Hyssop and Penicillin, **17,** 457, 1953.

Marsh, Daniel L.
What Does It Really Mean to be Educated?, **18,** 574, 1954.

Marshall, Max S.
Objectives in Teaching Microbiology, **19,** 53, 1955.

Martin, Alfred N.
A Course in Graduate Orientation and Research Indoctrination, **16,** 247, 1952.
A New Sequence in the Pharmacy Curriculum, **17,** 230, 1953.
Pharmacy's Problems CAN Be Solved, **17,** 214, 1953.

Matthews, Milton P.
The Drugstore in a Period of Transition, **20,** 595, 1956.

Mattocks, Albert M.
Scope and Objectives of Pharmaceutical Chemistry and Pharmaceutical Technology, **19,** 305, 1955.

Mayor, John R.
Some Suggestions on Teaching Fundamental Mathematical Concepts, **14,** 35, 1950.

McBay, Arthur J.
Report of the Representative to the American Association for the Advancement of Science, **19,** 773, 1955.

McCashland, B. W.
Vertebrate Physiology—Its Importance as a Prerequisite to the Proper Understanding of Pharmacology, **16,** 45, 1952.

McCloskey, John F.
Dedication of the Pharmacy Museum La Pharmacie Francais de Louis Dufilho, **15,** 126, 1951.
Planning the Extended Program, **19,** 652, 1955.

McDavid, James E.
An Experiment in Teaching Pharmaceutical Preparations, **18,** 416, 1954.

McEvilla, Joseph D.
Memorial to George Bernard Hook, **20,** 459, 1956.
A Teacher-Training Program in Pharmacy Administration, **16,** 456, 1952.

McConnell, W. E.
Teaching Prescription Specialties in a Clinic Setup, **20,** 590, 1956.

McCutcheon, R. S.
Teacher Training for Colleges of Pharmacy, **20,** 195, 1956.
Toxicological Education in American Pharmacy Schools, **19,** 49, 1955.

Medical Library Association Committee on Standards and Criteria for Pharmacy School Libraries.
Books, Reference Works, and Periodical Literature Recommended for College of Pharmacy Libraries, **19,** 480, 1955.

Mercer, Frank L.
An Experiment with Curriculum Revision, **20,** 191, 1956.
Predictive Tests Versus Success, **19,** 340, 1955.
A Proposed Laboratory Course in Pharmacognosy, **17,** 81, 1953.

Meyer, Minnie M.
Memorial to Reuben C. Hood, **19,** 827, 1955.

Miller, Clifton E.
Centralized vs. Decentralized Libraries, **17,** 454, 1953.
The Teaching of a Course in

Radioisotope Techniques, **20,** 553, 1956.
A Symposium on the Fate of Quantitative Analysis and Pharmaceutical Assay, An Introduction, **18,** 65, 1954.

Mitchener, N. L.
Memorial to Bert Ray Mull, **20,** 250, 1956.

Miya, T. S.
Memorial to LeRoy Delos Edwards, **19,** 228, 1955.

Morrison, R. W.
Memorial to Emory Tyler Motley, **16,** 721, 1952.

Muldoon, Hugh C.
Report of the Committee on Emergency Problems, **16,** 73, 1952.
The Strengths of Pharmacy, **18,** 11, 1954.

Munch, James C.
Mathematics of USP XIV Bioassays, **15,** 55, 1951.

Murray, Daniel H.
Report of the Committee on Affiliation of Canadian Colleges, **20,** 391, 1956.

N

Nelson, Harold
A Bibliography of Teaching Aids in Pharmacy Administration, **19,** 346, 1955.
The Status of Pharmacy Administration Courses in Colleges of Pharmacy, **20,** 609, 1956.

Nelson, John W.
Pharmacology, Pathology, and Advanced Courses in the Development of Pharmaceutical Service, **17,** 414, 1953.

Netz, Charles V.
Pharmaceutical Calculations (Abstract), **14,** 77, 1950.

Neuroth, M. L.
Effective Laboratory Teaching in Pharmacy, **16,** 441, 1952.
Honor System in Virginia Colleges, **19,** 84, 1955.
How to Create Interest in Graduate Study, **18,** 489, 1954.
Pharmacy Information for High School Principals and Guidance Directors, **17,** 73, 1953.
Students for Pharmacy, **19,** 357, 1955.

Neva, Arnold C.
The Pharmacogenetic Influence of Natural Substances and Their Consideration in the Pharmaceutical Curriculum, **14,** 179, 1950.

Newcomb, E. L.
Extracts from the Minutes of the April 25, 1950 Meeting of the Board of Grants of the American Foundation for Pharmaceutical Education, **14,** 523, 1950.
Extracts from the Minutes of the Eighth Annual Meeting of the American Foundation for Pharmaceutical Education, **14,** 513, 1950.
Minutes of the Meeting of the Board of Directors of the American Foundation for Pharmaceutical Education, **14,** 250, 1950; **14,** 358, 1950.

Newton, Howard C.
Memorial to Eldin Verne Lynn, **20,** 249, 1956.
Memorial to Ray Stanley Kelley, **18,** 353, 1954.
Memorial to Robert Joseph Donovan, **18,** 742, 1954.
Report on the American Foundation for Pharmaceutical Education, **16,** 133, 1952; **16,** 691, 1952; **18,** 268, 1954; **18,** 650, 1954.

Noble, Alice
Memorial to Ira Winfield Rose, **16,** 336, 1952.

Nugent, Robert L.
Dr. Rufus A. Lyman at the University of Arizona, **20,** 21, 1956.

O

O'Brien, Francis J.
Can Pharmacy Be Taught Adequately in Two Years, **14,** 318, 1950.
Pharmaceutical Administration, **15,** 39, 1951.
Report of the Committee on Relation of Colleges and Boards of Pharmacy, **19,** 740, 1955; **20,** 364, 1956.

O'Day, David W.
Budget Allotments for Faculty Travel and Research, **18,** 469, 1954.

Ohmart, Leslie M.
Dispensing of Dosage Forms (Abstract), **14,** 105, 1950.
Report of the Committee on Constitution and Bylaws, **20,** 349, 1956.

Olsen, Paul C.
Business Publications of Value in Teaching Pharmacy Administration, **16,** 256, 1952.
Experiments in the Use of the Problem Type of Examination for Students in Pharmacy Administration, **14,** 278, 1950.
Report of the Annual Meeting of the Conference of Teachers, **18,** 644, 1954.
Report of the Council of the Conference of Teachers, **18,** 643, 1954.
The Use of Pharmaceutical Trade Journals in the Teaching of Pharmacy Administration, **18,** 53, 1954.

Orr, Jack E.
Planning the Extended Program, **19,** 652, 1955.
Related Courses to Support the Chemistry Program, **20,** 36, 1956.
The Value and Importance of Prescription Surveys to Colleges of Pharmacy, **16,** 251, 1952.

Osborne, George E.
Early Utah Materia Medica: Priddy Meeks, **18,** 401, 1954.
Pharmaceutical Education in Utah—1 (1917-1927), **16,** 394, 1952.
Report of the Joint Committee on Pharmacy College Libraries, **20,** 360, 1956.

P

Parkin, Charles E.
Pharmaceutical Education in Utah—1 (1917-1927), **16,** 394, 1952.

Parks, Lloyd M.
Interim Report of Committee on Constitution and Bylaws as of March 29, 1952, **16,** 289, 1952.
Report of the Committee on Constitution and Bylaws, **16,** 70, 1952; **17,** 674, 1953.
Report of the Committee on Curriculum, **19,** 522, 1955; **20,** 350, 1956.

Pella, Milton O.
The Good Teacher, **14,** 419, 1950.
Methods of Presentation, **14,** 21, 1950.
Some Fundamental Psychological Principles of Learning, **14,** 6, 1950.
Techniques and Educational Principles, **14,** 52, 1950.

Philbin, Daniel M.
Memorial to Hugh C. Muldoon, **20,** 462, 1956.

Picchioni, Albert L.
Memorial to Bernard Aloysius Bialk, **19,** 233, 1955.

Plein, Elmer M.
The Dispensing Course: Its Contents and Method, **14,** 200, 1950.

Porter, C. L.
Memorial to Chalmers Joseph Zufall, **18,** 150, 1954.

Powers, Justin L.
The Quality of Research Papers

from Colleges of Pharmacy, **20,** 24, 1956.

Pratt, Robertson
Analysis of a Pilot Study of Factors that Motivate Individuals to Elect the Health Sciences as a Career, with Special Reference to Pharmacy, **20,** 175, 1956.
Antibiotics in Pharmaceutical Education, **14,** 162, 1950.
Pharmacognosy, Physiology, and Biochemistry in the Development of Pharmaceutical Service, **17,** 410, 1953.
Undergraduate Preparation for Graduate Studies in Pharmacognosy, **16,** 229, 1952.

Purdum, W. Arthur
The Importance of Drug Assay Courses to Pharmacists in Retail and Hospital Practice, **18,** 81, 1954.
Research and Graduate Instruction for Hospital Pharmacists, **14,** 216, 1950.
Training and Internship in Hospital Pharmacy (Part of a Symposium), **20,** 560, 1956.

Q

Quimby, Maynard W.
A Course in Economic Biology for Pharmacy Students, **15,** 49, 1951.

R

Ramstad, Egil
Memorial to Chalmers Joseph Zufall, **18,** 150, 1954.

Rabe, Charles C.
Difficulties in Teaching Drug Store Management, **18,** 46, 1954.

Rea, Scott C.
The Drug Store Owners of the United States Can Solve the Problem of "Shortage of Pharmacists," **18,** 460, 1954.

Reddish, George F.
The Importance of a Knowledge of Microbiology to the Hospital Pharmacist, **19,** 65, 1955.

Reed, Howard L.
What Emphasis Should Teachers of Pharmacognosy and Pharmacology Place upon Prescription Specialties and Proprietaries?, **16,** 60, 1952.

Reese, Robert E.
Early Utah Materia Medica: Priddy Meeks, **18,** 401, 1954.

Reese, J. Allen
Installation Address, **15,** 493, 1951.
Memorial to L. D. Havenhill, **14,** 681, 1950.
The President's Page, **16,** 147, 1952; **16,** 300, 1952.
Report of the Committee on Personnel Problems, **14,** 654, 1950.
Report of the President, **16,** 533, 1952.

Reif, Edward C.
The Installation Address of the Incoming President, **17,** 524, 1953.
Memorial to Julius Arnold Koch, **20,** 457, 1956.
The President's Page, **18,** 310, 1954; **18,** 111, 1954.
Report of the President, **18,** 560, 1954.

Remmers, H. H.
Predicting Success in Pharmaceutical Education, **15,** 149, 1951.

Rice, Brenton
Toxicology Education in the Accredited Colleges of Pharmacy of the United States, **15,** 41, 1951.

Rice, George P., Jr.
Methods and Aims in Modern Scholarship, **15,** 17, 1951.

Riegelman, Sidney
The Terminal Course in Pharmacy, **14,** 565, 1950.
The Terminal Course in Phar-

macy Dispensing Pharmacy (Abstract), **14,** 96, 1950.

Rising, L. Wait
A Graduate Program for Training Teachers of Pharmacy, **14,** 209, 1950.

Rodman, Morton J.
Some Aspects of the Teaching of Pharmacology, **17,** 241, 1953.

Roeder, Shirley F.
Requirement of Reasonable Accuracies in Prescription Compounding Laboratory, **16,** 436, 1952.

Rogers, Charles H.
An Experiment in Stimulating Library Use, **15,** 223, 1951.
The Pharmacy ROTC at the University of Minnesota, **14,** 169, 1950.
Report of the AACP Committee on Status of Pharmacists in Government Service, **16,** 91, 1952; **16,** 613, 1952; **17,** 602, 1953; **19,** 152, 1955.

Rosen, George
The Application of Science to Medicine, **15,** 290, 1951.

Rowe, Edward J.
Bringing Pharmacy to the High School Classroom, **20,** 206, 1956.
Memorial to Bert Ray Mull, **20,** 250, 1956.

Rowe, Tom D.
An Evaluation of the 1955 Teachers' Seminar on Pharmacy, **19,** 678, 1955.
Report of the Committee on Relation of Boards and Colleges, **16,** 618, 1952; **17,** 592, 1953.
Report of the Committee on Resolutions, **15,** 580, 1951.
Report of the Delegate to the American Pharmaceutical Association, **20,** 415, 1956; **20,** 634, 1956.
Report of the Teacher's Seminar on Pharmaceutical Chemistry, **16,** 694, 1952.
The Seventy-Fifth Anniversary of the College of Pharmacy of the University of Michigan, **16,** 177, 1952.
Some Important "Musts" for the Five Year Curriculum, **20,** 42, 1956.
Summaries of the Reports of the Meetings of the Districts, **18,** 640, 1954.
Training and Internship in Hospital Pharmacy (Part of a Symposium), **20,** 634, 1956.

Rudd, Wortley F.
Memorial to A. L. I. Winne, **14,** 507, 1950.

Russell, Walter C.
The Significance of Graduate Study and Graduate Degrees, **14,** 533, 1950.

S

Sager, Robert W.
Pharmacy Discovers Public Relations, **20,** 208, 1956.

Sax, Sylvan M.
Flavoring, Coloring, Masking Agents, Techniques, and Preparations (Abstract and Outline), **14,** 89, 1950.

Schaefer, Hugo H.
Hugh C. Muldoon, A Citation, **18,** 153, 1954.
The Immediate Years Ahead, **15,** 388, 1951.
Installation Address, **14,** 389, 1950.
The 1952 Remington Medal Presentation Address, **16,** 198, 1952.
Patrick Henry Costello Remington Medal Presentation, **17,** 158, 1953.
Planning the Extended Program, **19,** 652, 1955.
The President's Page, **14,** 659, 1950; **15,** 77, 1951; **15,** 236, 1951.
A Proposal to Change the By-laws, **14,** 256, 1950.

Remington Medal Citation for Roy B. Cook, **19,** 831, 1955.

Report of the Delegates to the American Foundation for Pharmaceutical Education, **19,** 779, 1955; **20,** 413, 1956.

Report of Committee on Constitution and Bylaws, **14,** 655, 1950.

Report of Committee on Relation of Boards and Colleges, **14,** 462, 1950.

Report of the President, **15,** 483, 1951.

Report of the Representatives to the National Drug Trade Conference, **14,** 633, 1950; **16,** 130, 1952; **16,** 688, 1952; **17,** 687, 1953; **18,** 669, 1954; **19,** 782, 1955; **20,** 416, 1956.

Sciuchetti, Leo A.

Requirement of Reasonable Accuracies in Prescription Compounding Laboratory, **16,** 436, 1952.

Searle, John G.

Admiral W. H. P. Blandy USN (Ret.), An Appreciation, **18,** 356, 1954.

Serles, E. R.

University of Illinois College of Pharmacy, **20,** 158, 1956.

Semeniuk, Fred

Organic Medicinal Products, What Should Be the Proper Balance and/or Correlation between the Chemistry and the Pharmacology?, **15,** 47, 1951.

Slesser, A. E.

A Visual Aid in the Teaching of Dispensing, **14,** 321, 1950.

Slone, Earl P.

A Memorial to Gordon Laten Curry, **14,** 345, 1950.

A Visual Aid in the Teaching of Dispensing, **14,** 321, 1950.

Smith, Austin

Pharmacy's Place in the Family of Healing Professions and Public Health, **17,** 46, 1953.

Smith, R. Blackwell, Jr.

Memorial to Wortley Fuller Rudd, **14,** 684, 1950.

Soba, Hilton M.

Use of Financial Controls in the Retail Pharmacy, **17,** 260, 1953.

Soine, Taito O.

The Importance of Heterocyclic Chemistry in the Teaching of Organic Pharmaceutical Chemistry, **17,** 194, 1953.

Sonnedecker, Glenn

The Character of Research at the Doctoral Level in the History of Pharmacy, **18,** 239, 1954.

The Conference of Schools of Pharmacy—A Period of Frustration, **18,** 389, 1954.

Minutes of the Annual Meeting of the American Institute of the History of Pharmacy (An Abstract), **16,** 497, 1952; **19,** 835, 1955.

Report of the Joint Committee on Pharmacy College Libraries, **19,** 536, 1955.

Science in American Pharmaceutical Education of the 19th Century, **15,** 185, 1951.

The Section on Education and Legislation of the American Pharmaceutical Association, **17,** 362, 1953.

Some Teaching Aids in History of Pharmacy (Summary of a Discussion), **14,** 144, 1950.

A Survey of the Status of History of Pharmacy in American Pharmaceutical Education, **16,** 11, 1952.

Sperandio, G. J.

A Memorial to Donald W. Harding, **18,** 536, 1954.

Sprowls, Joseph B.

A Course in Graduate Orientation and Research Indoctrination, **16,** 247, 1952.

The Dispensing Pharmacist's Need for Training in Chemistry, **19,** 311, 1955.

The Effect of the Increased Prescribing of Proprietaries on

the Teaching of Pharmacy Courses, **14,** 191, 1950.
Memorial to Fritz Oscar Laquer, **18,** 741, 1954.
Memorial to H. Evert Kendig, **14,** 511, 1950.
New and Non-Officials (Proprietaries) (Abstract), **14,** 108, 1950.
A New Sequence in the Pharmacy Curriculum, **17,** 230, 1953.
The Pharmaceutical Survey's Contribution to the Improvement of the Teaching of Pharmacy, **14,** 578, 1950.
Report of the Committee on Predictive and Achievement Tests, **20,** 381, 1956.
Report of the Committee on Teachers Conferences, **16,** 78, 1952.
Report of the Delegates to the American Council on Education, **19,** 774, 1955; **20,** 410, 1956.
The Use of Predictive Tests (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), **20,** 520, 1956.

Stempel, Edward
The Use of Photostatic Positive Prescriptions in Teaching Senior Dispensing Pharmacy, **16,** 470, 1952.

Stewart, Newell
The National Pharmaceutical Council, Inc., **19,** 81, 1955.

Stiles, David D.
The Prescription Survey as an Aid in Teaching Pharmacy, **20,** 578, 1956.

Stiles, William W.
Report of the Committee on Civil Defense Education, **19,** 157, 1955; **19,** 767, 1955.
The Role of the Pharmacist in Civil Defense, **17,** 552, 1953.

Stoklosa, Mitchell J.
Contributions of the Teacher of Pharmacognosy to the Course in Dispensing, **15,** 435, 1951.
A Special Cooling Device for the Preparation of Molded Suppositories in the Laboratory, **18,** 210, 1954.

Swain, Robert L.
Education—A Stern Taskmaster, **19,** 645, 1955.
The National Drug Trade Conference, **19,** 705, 1955.
Pharmaceutical Education, the Foundation of the Drug Industry in All Its Parts, and the Pharmaceutical Profession in All Its Phases: Let's Understand It and Use It, **19,** 5, 1955.
Pharmaceutical Education—A Vital Industrial Asset, **18,** 382, 1954.
Report of the Committee of the American Foundation for Pharmaceutical Education on Scope and Efficiency of the Foundation, **14,** 515, 1950.

Swinyard, Ewart A.
Biological Sciences in the Five Year Program: Physiology, Pharmacology, First Aid, and Public Health, **20,** 544, 1956.
Character of Research at the Doctorate Level in the Biological Sciences, **18,** 260, 1954.
Correlation of Pharmacognosy and Pharmacology, **18,** 480, 1954.
An Experiment in Teaching Drugstore Management at Utah, **15,** 22, 1951.
Graduate Instruction in Pharmacology—Qualifications of Staff and Students, **16,** 244, 1952.
Professional Societies and Pharmaceutical Education, **17,** 61, 1953.
A Program for Stimulating Qualified Students into Graduate Work in Pharmacology, **19,** 90, 1955.
Report of the Committee on Graduate Study, **17,** 623, 1953.
The Undergraduate Course in Pharmacology—Laboratory, **16,** 375, 1952.
The Use of Audio-visual Aids in Teaching Pharmacology, **17,** 444, 1953.

The Value and Importance of Prescription Surveys to Colleges of Pharmacy, **16,** 251, 1952.

T

Tainter, M. L.
Pharmacy—A Noble Profession, **16,** 5, 1952.

Tedeschi, David H.
A Program for Stimulating Qualified Students into Graduate Work in Pharmacology, **19,** 90, 1955.

Thompson, Herman O.
Report of the Council on Conference of Teachers, **19,** 543, 1955.

Tice, Linwood F.
Address of the Incoming President, **19,** 451, 1955.
Address of the President, **20,** 307, 1956.
The Lilly Industrial Seminar, **19,** 681, 1955.
The President's Section, **19,** 795, 1955; **20,** 106, 1956.
Report of the Committee on Activities for Alumni, **14,** 449, 1950; **16,** 82, 1952; **16,** 593, 1952.
Report of the Committee on Civil Defense Education, **16,** 628, 1952.
Report of the Representatives to the American Association for the Advancement of Science, **16,** 679, 1952.
Report of the Representatives to the National Drug Trade Conference, **20,** 416, 1956.

Tripp, J. T.
Bacteriology, Microbiology, and Public Health in the Development of Pharmaceutical Service, **17,** 406, 1953.

U

Uhl, Arthur H.
Memorial to Nellie A. Wakeman, **16,** 491, 1952.
Report of the Committee on Functions of the American Association of Colleges of Pharmacy, **14,** 648, 1950; **16,** 74, 1952.
Report of the Committee on Office of Permanent Secretary, **14,** 651, 1950.
Welcoming Address, 10th Anniversary Conference American Institute of The History of Pharmacy, **15,** 287, 1951.

Urdang, George
Address, Dedication of Pharmacy Museum, New Orleans, Louisiana, October 19, 1950, **15,** 129, 1951.
The American Pharmaceutical Association's Section on Historical Pharmacy, **17,** 389, 1953.
The Application of Science in Pharmacy, **15,** 349, 1951.
The Concept of the History of Pharmacy, **14,** 128, 1950.
The Editor Rufus A. Lyman, **20,** 10, 1956.
Edward Parrish, A Forgotten Pharmaceutical Reformer, **14,** 223, 1950.
Graduate Work in History of Pharmacy, **14,** 153, 1950.
How to Attract Students for Graduate Work in Our Schools of Pharmacy, **18,** 486, 1954.
Lavoisier's "Chemical Revolution" and Pharmacy, **18,** 216, 1954.
The Part of Doctors of Medicine in Pharmaceutical Education, **14,** 546, 1950.
The Pharmaceutico-Historical Movement, **16,** 206, 1952.
Pharmacy's Part in Society, **17,** 27, 1953.
Report of the Committee on World Congress for Pharma-

ceutical Education, **14,** 453, 1950; **16,** 76, 1952.
Report of the Historian, **14,** 461, 1950; **16,** 123, 1952; **16,** 675, 1952.
The Rescue of the United States Pharmacopeia by Organized American Pharmacy in the Eighteen Seventies, **15,** 172, 1951.
The Sections of the American Pharmaceutical Association, **17,** 331, 1953.
Specialized Courses in History of Pharmacy, **14,** 140, 1950.
A Survey of the Status of History of Pharmacy in American Pharmaceutical Education, **16,** 11, 1952.
Teaching History of Pharmacy, **14,** 136, 1950.
A Visit to German Pharmacy in 1950, An Impressionistic Report, **14,** 571, 1950.

Usher, Abbott Payson
The Development of the Microscope and Its Application to Medicine and Public Health, **15,** 319, 1951.

V

Vanderwyk, Raymond W.
Modern Trends in the Teaching of Pharmacognosy, **17,** 76, 1953.
A Survey of Pharmacognosy, **18,** 472, 1954.

VanHorne, Robert L.
Report of the Committee on the Status of Pharmacists in Government Service, **20,** 388, 1956.

Verdoorn, Frans
From Empirism to Applied Science in Pharmaco-Botany, **15,** 338, 1951.

Voigt, John L.
Pharmacy as Seen through the Pharmacy Extension Telescope, **19,** 322, 1955.
Prescription Surveys and Their Significance in Teaching Pharmacy, **18,** 435, 1954.

Voss, Elbert
Introductory Physiology in the Pharmacy Curriculum, **17,** 204, 1953.
Memorial to Stewart W. Freyburger, **20,** 460, 1956.

W

Walsh, Robert A.
Human Physiology—Its Importance as a Prerequisite to the Proper Understanding of Pharmacology, **16,** 50, 1952.

Walton, Clarence C.
Memorial Poem to Hugh C. Muldoon, **20,** 461, 1956.

Waters, Kenneth L.
Is Pharmacy No Longer to be a Major in the Pharmaceutical Curriculum, **14,** 275, 1950.
Memorial to John F. Burke, **16,** 336, 1952.
Report of the Representative to the National Wholesale Druggists' Eightieth Annual Meeting, **19,** 786, 1955.

Way, E. Leong
The Objectives of Graduate Pharmacology and How to Achieve Them, **18,** 31, 1954.

Weaver, Warren E.
Planning the Extended Program, **19,** 652, 1955.
Research and Training in the Field of Pharmaceutical Chemistry, **19,** 317, 1955.

Webber, M. G.
A Laboratory Approach to the Teaching of Prescription Specialties, **20,** 585, 1956.

Webster, G. L.
Interim Report of Sub-Committee on Office of Permanent Secretary, **16,** 285, 1952.
The Physical Sciences and Mathematics, **14,** 269, 1950.
Report of the Committee on Administrative Procedures: A

Handbook for Officers and Committee Chairmen, **19,** 712, 1955.
Report of the Committee on Committees, **18,** 271, 1954.
Report of the Committee on Curriculum, **14,** 438, 1950; **15,** 555, 1951.
Report of the Committee on Future Enrollment Problems, **20,** 394, 1956.
Report of the Committee on Hospital Pharmacy Education, **19,** 166, 1955.
Report of the Delegate to the American Council on Education, **18,** 661, 1954.
Report of Representative to the Seventh Annual National Conference on Higher Education, **16,** 681, 1952.
Sequential Order of Courses in Physical Science and Mathematics in the Pharmaceutical Curriculum, **16,** 22, 1952.

Weeks, James R.
The Objectives of Undergraduate Pharmacology and How to Achieve Them, **18,** 38, 1954.

White, Allen I.
Advanced Pharmaceutical Technology Preparations for Local and Systemic Use (Abstract), **14,** 92, 1950.
The Development of Professional Morality in Pharmacy Students, **17,** 222, 1953.

White, Alfred J.
Memorial to Peter J. Conroy, **20,** 117, 1956.

Wilson, Stephen
General Pharmacy in the Pharmaceutical Curriculum, **14,** 582, 1950.
A Teacher-Training Program in Pharmacy Administration, **16,** 456, 1952.
Report of the Committee on Curriculum, **16,** 576, 1952; **17,** 628, 1953; **18,** 617, 1954.
Flavoring, Coloring, Masking Agents, Techniques, and Preparations (Abstract and Outline), **14,** 89, 1950.

Wimmer, Curt P.
The Citation, **15,** 111, 1951.
Ernest Little, Remington Medalist (A Citation), **14,** 255, 1950.

Wittich, W. A.
Audio-visual Materials and Pharmacy, **14,** 63, 1950.

Wolfe, H. George
Charles Rice (1841-1901), An Immigrant in Pharmacy, **14,** 285, 1950.
The Pharmazeutische Zeitung Observes George Urdang's Seventieth Birthday (translation), **17,** 7, 1953.

Wolfe, Mary Agnes
An Experiment in Stimulating Library Use, **15,** 223, 1951.

Wood, Elwin G.
Memorial to Bernard Aloysius Bialk, **19,** 233, 1955.

Worrell, Lee F.
In Revising Curricula What Should Be Done about Quantitative Chemistry and Drug Assay Courses?, **18,** 66, 1954.

Wurster, Dale E.
Incompatibilities (Abstract), **14,** 107, 1950.
Incompatibilities, **15,** 424, 1951.
In What Ways Can the American Association of Colleges of Pharmacy Best Serve Its Member Colleges, **18,** 250, 1954.

Y

Yonkman, Fredrick F.
Vertebrate Physiology—Its Importance to Students of Pharmacy, **16,** 54, 1952.

Youngken, Heber W., Jr.
Address of the Chairman of the Teachers' Conference on Graduate Instruction, **16,** 224, 1952.
A Course of Action for the Plant Science Seminar, **16,** 215, 1952.
An Evaluation of the 1953 Semi-

nar on Pharmacognosy, **18,** 201, 1954.
Film Abstracts and Reviews, **19,** 788, 1955.
The Language Reading Requirement for the Graduate Degree, **17,** 94, 1953.
Memorial to Ludwig Metzger, **14,** 681, 1950.
A Mission to Oxford, **15, 28,** 1951.
Report of the Committee on Audio-visual Education, **19,** 549, 1955; **20,** 373, 1956.
The Washington Experiment—Clinical Pharmacy, **17,** 64, 1953.
What Emphasis Should Teachers of Pharmacognosy Place upon Prescription Specialties and Proprietaries?, **16,** 62, 1952.

Youngken, Heber W., Sr.
The Medicinal Plant Garden of the Massachusetts College of Pharmacy, **15,** 234, 1951.
Pharmacognosy Laboratory Work: Some of Its Most Important Aspects, **16,** 454, 1952.

Z

Zopf, Louis C.
Minutes of the Executive Committee of the American Association of Colleges of Pharmacy, **14,** 484, 1950; **15,** 117, 1951; **15,** 590, 1951; **16,** 293, 1952; **17,** 111, 1953; **17,** 697, 1953.
Minutes of the Interim Meeting of the Executive Committee of the American Association of Colleges of Pharmacy, **17,** 117, 1953.
Outline for Hospital Dispensing, **14,** 111, 1950.
Report of the Chairman of the Executive Committee, **18,** 611, 1954; **19,** 509, 1955; **20,** 332, 1956.
Report of the Committee on Resolutions, **16,** 670, 1952.
Report of the Secretary-Treasurer, **14,** 429, 1950; **15,** 539, 1951; **16,** 563, 1952; **17,** 576, 1953.
Training and Internship in Hospital Pharmacy (Part of a Symposium), **20,** 557, 1956.

Zupko, Arthur G.
An Experiment with Curriculum Revision, **20,** 191, 1956.
A Proposed Laboratory Course in Pharmacognosy, **17, 81,** 1953.

(A professional school) . . . fails if its students have not been so impressed that they have a respect for and confidence in its ideals, and, on leaving the school, may continue to be guided by it.
Robert C. Wilson, Am. J. Pharm. Ed., 1, 18 (1937)

INDEX TO SUBJECTS AND TITLES

A

Abstract of the Proceedings of the Pharmacy Group of the 1951 Meeting of the Medical Library Association, Rufus A. Lyman, **16,** 182, 1952.

Abstracts of the Minutes of the Meetings of the Board of Grants, Board of Directors, Executive Committee, and Members of the American Foundation for Pharmaceutical Education (See American Foundation for Pharmaceutical Education).

Accrediting Procedures, Recent Steps toward Coordination and Improvement of, Edward C. Elliott, **14,** 158, 1950.

Accuracy (Compounding), Stimulating in Dispensing Pharmacy Students, L. E. Bingenheimer, Jr., **17,** 236, 1953.

Achievement Testing, Suggested Methods for, C. W. Harris, **14,** 69, 1950.

Actions and Reactions, Edward C. Elliott, **14,** 400, 1950.

Address,

Chairman of the Section of Teachers of Chemistry, Melvin W. Green, **18,** 62, 1954.

Chairman of the Section of Graduate Instruction, Heber W. Youngken, Jr., **16,** 224, 1952.

Commencement at the University of Nebraska, 1955, Edward C. Elliott, **19,** 633, 1955.

Dedication of Pharmacy Museum, New Orleans, Louisiana, October 19, 1950, George Urdang, **15,** 129, 1951.

President, Linwood F. Tice, **20,** 307, 1956 (See also President, Report).

President-Elect, Hugo H. Schaefer, **14,** 389, 1950; J. Allen Reese, **15,** 493, 1951.

Incoming President, Edward C. Reif, **17,** 524, 1953; Joseph B. Burt, **18,** 566, 1954; Linwood F. Tice, **19,** 451, 1955; H. G. Hewitt, **20,** 320, 1956.

Administrative Procedures, Report of the Committee on: A Handbook for Officers and Committee Chairmen, G. L. Webster, **19,** 712, 1955.

Admiral W. H. P. Blandy, U.S.N. (Ret.), An Appreciation, John G. Searle, **18,** 356, 1954.

Admission from Pre-Pharmacal Programs, Problems of (A Panel), Harold G. Hewitt, Moderator; Lloyd E. Blauch, Loyd E. Harris, William N. Atkinson, Joseph B. Sprowls, Panelists; R. A. Deno, Discussion, **20,** 520, 1956.

Advanced Courses, Pathology and Pharmacology in the Development of Pharmaceutic Service, John W. Nelson, **17,** 414, 1953.

Advanced Pharmaceutical Technology Preparations for Local and Systemic Use (Abstract), Allen I. White, **14,** 92, 1950.

Advising Graduate Students,

in Non-Curricular Matters, Walter H. Hartung, **19,** 36, 1955.

with Respect to Selection of Courses and Research Problems, L. D. Edwards, **19,** 29, 1955.

Affiliation of Canadian Colleges, Report of the Committee on, Daniel H. Murray, **20,** 391, 1956.

Agents and Special Techniques in the Manufacture of Dosage Forms, H. Geo. DeKay, **14,** 95, 1950.

Aids, Teaching, in History of Pharmacy, Glenn Sonnedecker, **14,** 144, 1950.

Allocation of American Foundation for Pharmaceutical Education Fellowships Made by the Board of Grants at Meetings Held on April 25, and June 21 and 24, 1950, Rufus A. Lyman, **14,** 686, 1950.

Alumni, Report of the Committee on Activities for, L. F. Tice, **14,** 449, 1950; **16,** 82, 1952; **16,** 593, 1952; Ray S. Kelley, **17,** 599, 1953.

American Association for the Advancement of Science,
and Pharmacy, Glenn L. Jenkins, **19,** 361, 1955.
Pharmacy Subsection, Glenn L. Jenkins, **14,** 524, 1950; **15,** 131, 1951; **16,** 361, 1952; **16,** 514, 1952; **18,** 362, 1954; **18,** 742, 1954.
Report of the Delegate to, L. F. Tice, **16,** 679, 1952; E. V. Lynn, **19,** 174, 1955; Arthur J. McBay, **19,** 773, 1955; John M. Cross, **20,** 410, 1956.

American Association of Colleges of Pharmacy,
Committee Appointments (See Committee Membership).
Constitution and Bylaws of, **16,** 729, 1952; **18,** 749, 1954.
The Contributions of the American Pharmaceutical Association to, Ivor Griffith, **16,** 557, 1952.
Fifty-first Annual Meeting, **14,** 346, 1950.
Fifty-fourth Annual Meeting, **17,** 492, 1953.
In What Ways Can It Best Service Its Member Colleges, Dale E. Wurster, **18,** 250, 1954.
Listing of Member Colleges, **20,** 438, 1956 (Earlier Volumes, front and back covers).
Past Places of Meeting and Past Officers, **14,** 377, 1950; **15,** 470, 1951; **16,** 518, 1952; **17,** 502, 1953; **18,** 546, 1954; **19,** 426, 1955; **20,** 446, 1956.
Program of the Fifty-first Annual Meeting, **14,** 346, 1950.
Program of the Fifty-third Annual Meeting, **16,** 338, 1952.
A Proposal to Change the Bylaws, Hugo H. Schaefer, **14,** 256, 1950.
Report of the Committee on Functions of, A. H. Uhl, **14,** 648, 1950; **16,** 74, 1952.
Roster of Delegates and Representatives to the Fifty-seventh Annual Meeting, **20,** 444, 1956.
Summary of the Executive Session of the 1954 Annual Meeting, R. A. Deno, **18,** 673, 1954.
Tentative Program for the Fifty-second Annual Meeting, **15,** 278, 1951.
Summary of Fifty-seventh Annual Meeting, R. A. Deno, **20,** 437, 1956.
Time of Annual Meeting, A Perennial Problem, Joseph B. Burt, **20,** 538, 1956.

American Council on Education,
Report on the Conference of Organization, Noel E. Foss, **16,** 686, 1952.
Report of the Delegates to, Noel E. Foss, **14,** 636, 1950; **16,** 137, 1952; Bernard V. Christensen, **16,** 140, 1952; **16,** 683, 1952; Charles W. Bliven, **17,** 679, 1953; Charles W. Bliven, Richard A. Deno, and Joseph B. Sprowls, **19,** 774, 1955; George L. Webster, **18,** 661, 1954; Karl L. Kaufman and Joseph B. Sprowls, **20,** 410, 1956.
Report on the Work Conference of Representatives, R. A. Deno, **18,** 668, 1954.

American Council on Pharmaceutical Education, Report of, P. H. Costello, **14,** 254, 1950; **16,** 143, 1952; **16,** 696, 1952; **17,** 654, 1953; **18,** 653, 1954; **19,** 500, 1955; **20,** 338, 1956.

American Foundation for Pharmaceutical Education,
E. L. Newcomb, **14,** 358, 1950.
Howard C. Newton, **16,** 691, 1952.
Extracts from Meeting of the Board of Directors, Ernest Little, **14,** 520, 1950; **15,** 112, 1951; **15,** 462, 1951; Rufus A. Lyman, **17,** 315, 1953.
Abstract of Minutes of Special Meeting of Members, November 17, 1950, Ernest Little, **15,** 114, 1951.
Extracts from the Minutes of the

Meeting of the Board of Grants, E. L. Newcomb, **14,** 523, 1950.
Abstract of the Minutes of the February 16, 1951 Meeting of the Board of Grants, Ernest Little, **15,** 269, 1951.
Abstract of the Minutes of the Meeting of the Executive Committee, Ernest Little, **15,** 267, 1951; Rufus A. Lyman, **16,** 179, 1952; **17,** 313, 1953; **17,** 730, 1953.
Abstract of the Minutes of the Joint Meeting of the Executive and Finance Committees of, **16,** 352, 1952.
Allocation of Fellowships made by the Board of Grants at Meetings held April 25, and June 21, 24, 1950, Rufus A. Lyman, **14,** 686, 1950.
The Current and Future Program for, W. Paul Briggs, **15,** 513, 1951.
and Dr. Edwin Leigh Newcomb, Ernest Little, **15,** 107, 1951.
A History of, Ernest Little, **15,** 367, 1951.
Minutes of the Board of Directors of, E. L. Newcomb, **14,** 250, 1950.
Minutes of the Eighth Annual Meeting, E. L. Newcomb, **14,** 513, 1950.
Minutes of the Meeting of Members (An Abstract), Rufus A. Lyman, **17,** 314, 1953; **18,** 538, 1954.
Proceedings of, W. Paul Briggs, **20,** 227, 1956.
Report of the Annual Meeting of, **19,** 416, 1955.
Report of the Committee on the Scope and Efficiency of the Foundation, Robert L. Swain, **14,** 515, 1950.
Report on, Howard C. Newton, **16,** 133, 1952; **18,** 268, 1954; **18,** 650, 1954; Hugo H. Schaefer, **19,** 779, 1955; **20,** 413, 1956.

American Institute of the History of Pharmacy,
Minutes of the Annual Meeting, Rufus A. Lyman, **14,** 258, 1950; **15,** 618, 1951; Glenn Sonnedecker, **16,** 497, 1952; **19,** 835, 1955.
Welcoming Address, 10th Anniversary Conference, Arthur H. Uhl, **15,** 287, 1951.

American (The) Journal of Pharmaceutical Education,
Report of the Editor, Rufus A. Lyman, **14,** 454, 1950; **16,** 127, 1952; **16,** 674, 1952; **17,** 588, 1953; **19,** 170, 1955; **19,** 520, 1955; Melvin R. Gibson, **20,** 346, 1956.

American Pharmaceutical Association,
The Contributions of to the American Association of Colleges of Pharmacy, Ivor Griffith, **16,** 557, 1952.
Report of the Delegate to, Tom D. Rowe, **20,** 415, 1956; **20,** 634, 1956.
The Scientific Section of, George B. Griffenhagen, **17,** 342, 1953.
The Sections of, George Urdang, **17,** 331, 1953.
The Section on Education and Legislation of, Glenn Sonnedecker, **17,** 362, 1953.
Section on Historical Pharmacy, George Urdang, **17,** 389, 1953.
The Section on Pharmaceutical Economics of, Norman H. Francke, **17,** 334, 1953.
The Section on Practical Pharmacy of, Alex Berman, **17,** 351, 1953.
The Women's Section of, Eunice R. Bonow, **17,** 383, 1953.

Analysis of a Pilot Study of Factors that Motivate Individuals to Elect the Health Sciences as a Career, with Special Reference to Pharmacy, Robertson Pratt, **20,** 175, 1956.

Analysis (An) of the Survey's Recommendations for In-Service Training for Pharmacists, William S. Apple, **19,** 327, 1955.

Anatomy, General Biology, Histology in the Development of Pharmaceutic Service, Richard A. Deno, **17,** 401, 1953.

Animal Health Pharmacy, The Objectives and Content of the University Course in, Willard J. Hadley, **19,** 689, 1955.

Announcements, 20, 110, 1956; **20,** 244, 1956; **20,** 453, 1956; **20,** 647, 1956.

Antibiotics in Pharmaceutical Education, Jean Dufrenoy and Robertson Pratt, **14,** 162, 1950.

Applicant (The) for Graduate Study in Pharmaceutical Chemistry, George P. Hager, **16,** 240, 1952.

Applied Science in Chemical Industry, Henry M. Leicester, **15,** 308, 1951.

Application of Physical Principles to the Preparation of Pharmaceuticals (Abstract), Frank M. Goyan, **14,** 85, 1950.

Application (The) of Science to Medicine, George Rosen, **15,** 290, 1951.

Application (The) of Science in Pharmacy, George Urdang, **15,** 349, 1951.

Apprenticeship (Pharmaceutical): The State Boards' Views and Regulations, J. Leon Lichtin, **20,** 200, 1956.

Arizona (University) College of Pharmacy, Willis R. Brewer, **18,** 223, 1954.

Arkansas (University of) School of Pharmacy, Roy H. Jones, **17,** 248, 1953.

Assay and Control, Methods Used in, H. George DeKay, **14,** 120, 1950.

Association of Military Surgeons of the United States, Report on the Pharmacy Section of the Sixtieth Annual Meeting, Noel E. Foss, **19,** 171, 1955.

Audio-Visual Aids,
in Pharmaceutical Teaching, S. B. Jeffries, **16,** 271, 1952.
The Use of in Teaching Pharmacology, Ewart A. Swinyard, **17,** 444, 1953.

Audio-visual Education,
Report of the Committee on, Donald C. Brodie, **16,** 106, 1952; **16,** 582, 1952; **17,** 662, 1953; **18,** 623, 1954; Heber W. Youngken, Jr., **19,** 549, 1955; **20,** 373, 1956.

Audio-Visual Materials and Pharmacy, W. A. Wittich, **14,** 63, 1950.

Auditors (Commercial), Report of the, 19, 833, 1955.

B

Bacteriology, Microbiology, and Public Health in the Development of Pharmaceutical Service, J. T. Tripp, **17,** 406, 1953.

Barrett, Leslie Burns, Memorial to, Henry S. Johnson, **14,** 509, 1950.

Benefits Attainable from the Quantitative Evaluation of Student Preparations, Edward A. Brecht, **16,** 460, 1952.

Benjamin E. Holsendorf (1874-1944), George F. Archambault, **14,** 305, 1950.

Between Ourselves: Old Notes and New Counter Notes, Edward C. Elliott, **19,** 633, 1955.

Bialk, Bernard Aloysius, Memorial to, Elwin G. Wood, Albert L. Picchioni, and Willis R. Brewer, **19,** 233, 1955.

Biblical Hyssop and Penicillin, David I. Macht, **17,** 457, 1953.

Bibliographic Tools for Selection of Published Materials in Pharmacy, Karl A. Baer, **18,** 373, 1954.

Bibliography (A) of Teaching Aids in Pharmacy Administration, Harold Nelson and Woodrow R. Byrum, **19,** 346, 1955.

Bioassays, Mathematics of USP XIV, James C. Munch, Samuel Kuna, Edward V. Dietrick, **15,** 55, 1951.

Biochemistry, Pharmacognosy, and Physiology in the Development

of Pharmaceutic Service, Robertson Pratt, **17,** 410, 1953.
Biological Products—The Nature of and Need for This Course, E. Roy Hammarlund, **18,** 453, 1954.
Biological Sciences,
Character of Research at the Doctorate Level of, Ewart A. Swinyard, **18,** 260, 1954.
in the Development of Pharmaceutic Service, Section I. General Biology, Anatomy, Histology, Richard A. Deno, **17,** 401, 1953.
in the Five Year Program: Physiology, Pharmacology, First Aid, and Public Health, Ewart A. Swinyard, **20,** 544, 1956.
Biological Standardization, Recent Developments in, J. Harold Burn, **17,** 54, 1953.
Biology,
(General), Anatomy, Histology in the Development of Pharmaceutic Service, Richard A. Deno, **17,** 401, 1953.
(Economic), A Course in, Maynard W. Quimby, **15,** 49, 1951.
Births,
14, 372, 1950; **14,** 577, 1950; **15,** 76, 1951; **15,** 230, 1951; **15,** 441, 1951; **15,** 524, 1951; **16,** 176, 1952; **16,** 360, 1952; **16,** 464, 1952; **17,** 163, 1953; **17,** 312, 1953; **17,** 491, 1953; **17,** 575, 1953; **18,** 115, 1954; **18,** 367, 1954; **18,** 704, 1954; **19,** 14, 1955; **19,** 421, 1955; **19,** 585, 1955; **19,** 794, 1955; **20,** 120, 1956; **20,** 252, 1956; **20,** 464, 1956; **20,** 652, 1956.
Blandy, W. H. P., An Appreciation, John G. Searle, **18,** 356, 1954.
Blood Flow (Peripheral), A Student Experiment on, Raymond P. Ahlquist, **15,** 218, 1951.
Books, New,
14, 260, 1950; **14,** 361, 1950; **14,** 525, 1950; **14,** 693, 1950; **15,** 136, 1951; **15,** 270, 1951; **15,** 464, 1951; **15,** 623, 1951; **16,** 353, 1952; **16,** 515, 1952; **16,** 724, 1952; **17,** 160, 1953; **17,** 316, 1953; **17,** 732, 1953; **18,** 163, 1954; **18,** 365, 1954; **18,** 542, 1954; **18,** 747, 1954; **19,** 239, 1955; **19,** 422, 1955; **19,** 624, 1955; **19,** 837, 1955; **20,** 151, 1956; **20,** 303, 1956; **20,** 508, 1956; **20,** 692, 1956.
Book Reviews,
20, 146, 1956; **20,** 288, 1956; **20,** 498, 1956; **20,** 676, 1956.
Books, Reference Works and Periodical Literature Recommended for College of Pharmacy Libraries, Medical Library Association Committee on Standards and Criteria for Pharmacy School Libraries, 19, 480, 1955.
Botany (Pharmaco-), From Empirism to Applied Science in, Frans Verdoorn, **15,** 338, 1951.
Boucher, Chauncey Samuel, A Memorial to, Rufus A. Lyman, **19,** 829, 1955.
Break-Even Graph Procedures in Pharmacy Administration Teaching, The Use of, Floyd A. Grolle, **20,** 628, 1956.
Brief (A) History of the Plant Science Seminar, Edward P. Claus, **17,** 433, 1953.
Bringing Pharmacy to the High School Classroom, Edward J. Rowe, **20,** 206, 1956.
Brooklyn College of Pharmacy, The Development of a Program of Student Research Projects at, Isidore Greenberg, **15,** 438, 1951.
Buchdahl, M. Robert, Memorial to, Richard E. Faust, **20,** 649, 1956.
Budget Allotments for Faculty Travel and Research, David W. O'Day, **18,** 469, 1954.
Burke, John F., Memorial to, Kenneth L. Waters, **16,** 336, 1952.
Burt, Joseph Bell, A Biography, Rufus A. Lyman, **18,** 557, 1954.
Business,
Management Curriculum (Pharmacy), The Integration of Hospital Pharmacy Administration into, S. B. Jeffries and

Isidore Greenberg, **17,** 275, 1953.
Mortality in Retail Pharmacy and the Pharmacy Administration Program, Isidore Greenberg, **20,** 211, 1956.
Publications of Value in Teaching Pharmacy Administration, Paul C. Olsen, **16,** 256, 1952.
Butler, Wanda J., Memorial to, Ferris Faculty, **19,** 826, 1955.
Bylaws,
(AACP), A Proposal to Change, Hugo H. Schaefer, **14,** 256, 1950.
Regulating the Practices and Procedures of the Conference of Teachers of the American Association of Colleges of Pharmacy, **16,** 505, 1952.

C

Calculations,
and Measurements Used in Pharmacy, The Relationship Between, J. Leon Lichtin, **17,** 254, 1953.
Pharmaceutical, Charles V. Netz, **14,** 77, 1950.
California (University of), New Medical Sciences Building of, T. C. Daniels, **20,** 163, 1956.
Canadian Colleges, Report of the Committee on the Affiliation of, Daniel H. Murray, **20,** 391, 1956.
Can Pharmacy Be Taught Adequately in Two Years, Francis J. O'Brien, **14,** 318, 1950.
Can You Teach Pharmacy Administration Without Periodic Retail Pharmacy Contacts?, Louis E. Kazin, **20,** 47, 1956.
Centralized vs. Decentralized Libraries, Clifton E. Miller, **17,** 454, 1952.
Century (A) of Research in Pharmaceutical Chemistry in the Schools of Pharmacy of the United States, E. V. Lynn, **17,** 183, 1953.
Chairman Addresses (See Addresses, Chairman).
Character of Research,
at the Doctorate Level in the Biological Sciences, Ewart A. Swinyard, **18,** 260, 1954.
at the Doctoral Level in the History of Pharmacy, Glenn Sonnedecker, **18,** 239, 1954.
at the Doctorate Level in the Physical Sciences, Carl J. Christensen, **18,** 231, 1954.
Charles Rice (1841-1901), An Immigrant in Pharmacy, H. George Wolfe, **14,** 285, 1950.
Charters, Wallace Werrett, Memorial to, A. B. Lemon, **16,** 492, 1952.
Chemical,
Industry, Applied Science in, Henry M. Leicester, **15,** 308, 1951.
Revolution (Lavoisier's), and Pharmacy, George Urdang, **18,** 216, 1954.
Training (Undergraduate), of the Pharmacist Entering the Pharmaceutical Industry, Ernest L. Beals, **16,** 419, 1952.
Chemistry,
The Dispensing Pharmacist's Need for Training in, Joseph B. Sprowls, **19,** 311, 1955.
(General), A Laboratory Outline and Some New Experiments for, Clarence A. Discher, **14,** 596, 1950.
(Heterocyclic),
The Importance of in the Teaching of Organic Pharmaceutical Chemistry, Taito O. Soine, **17,** 194, 1953.
The Importance of in the Teaching of Organic Pharmaceutical Chemistry, J. H. Burckhalter, **17,** 197, 1953.
Pharmaceutical (See Pharmaceutical Chemistry).
(Undergraduate) Laboratory Course, An Opportunity for Learning in, Carroll B. Gustafson, **16,** 465, 1952.

vs. Pharmacology, Walter H. Hartung, **14,** 603, 1950.

(Physical),
for Pharmacy Students, Frank M. Goyan, **16, 31, 1952.**
in the Undergraduate Curriculum, Level of, T. H. Higuchi, **20,** 549, 1956.

Program, Related Courses to Support, Jack E. Orr, **20,** 36, 1956.

Christensen, Bernard Victor, Memorial to, Earl P. Guth, **20,** 649, 1956.

Citation (The), Curt P. Wimmer, **15,** 111, 1951.

Civil Defense,
Role of the Pharmacist in, William W. Stiles, **17,** 552, 1953.

Education, Report of the Committee on, Linwood F. Tice, **16,** 628, 1952; James H. Kidder, **17,** 675, 1953; William W. Stiles and James H. Kidder, **19,** 157, 1955; William W. Stiles, **19,** 767, 1955; Noel E. Foss, **20,** 380, 1956.

Clinic, Teaching Prescription Specialties in, W. E. McConnell, **20,** 590, 1956.

Clinical Pharmacy, The Washington Experiment, Heber W. Youngken, Jr., **17,** 64, 1953.

College News, 20, 129, 1956; **20,** 259, 1956; **20,** 464, 1956; **20,** 662, 1956 (Earlier volumes, see Notes and News).

Colleges of Pharmacy, Needs of Our, Richard A. Deno, **15,** 525, 1951.

Colloid,
Emulsion and Suspensions, T. Higuchi, **15,** 418, 1951.

Emulsions, and Suspensions (Abstract), T. Higuchi, **14,** 88, 1950.

Coloring, Flavoring, Masking Agents, Techniques and Preparations, Stephen Wilson and Sylvan M. Sax, **14,** 89, 1950.

Committee,
Chairmen and Officers, A Handbook for: A Report of the Committee on Administrative Procedures, G. L. Webster, **19,** 712, 1955.

Membership, **14,** 370, 1950; **15,** 474, 1951; **16,** 522, 1952; **17,** 577, 1953; **18,** 549, 1954; **19,** 429, 1955; **20,** 441, 1956.

Committees, Report of the Committee on, G. L. Webster, **18,** 271, 1954.

Compounding,
Accuracy, Stimulating in Dispensing Pharmacy Students, L. E. Bingenheimer, Jr., **17,** 236, 1953.

(Prescription) Laboratory, Requirement of Reasonable Accuracies in, Leo A. Sciuchetti, Shirley F. Roeder, and George E. Crossen, **16,** 436, 1952.

Concept (The) of the History of Pharmacy, George Urdang, **14,** 128, 1950.

Conference,
on Higher Education, Report of the Representative to, George L. Webster, **16,** 681, 1952.

(The) of Schools of Pharmacy—A Period of Frustration, Glenn Sonnedecker, **18,** 389, 1954.

of Teachers,
of the American Association of Colleges of Pharmacy, Bylaws Regulating the Practices and Procedures of, **16,** 505, 1952.

Increasing Efficiency in Pedagogy—The Primary Objective of the Section on Pharmacy of, Roy C. Darlington, **17,** 201, 1953.

of Pharmacy Administration, Chauncey I. Cooper, **16,** 433, 1952.

Report of the Annual Meeting of, Paul C. Olsen, **18,** 644, 1954.

Report of the Committee on, J. B. Sprowls, **16,** 78, 1952; H. G. Hewitt, **16,** 624, 1952.

Report of the Council of, Paul C. Olsen, **18,** 643, 1954; Herman O. Thompson, **19,** 543, 1955.
Report of the Secretary-Treasurer of the Council on, Edward P. Claus, **19,** 544, 1955.
Congress (World) for Pharmaceutical Education, Report of the Committee on, George Urdang, **16,** 76, 1952.
Conroy, Peter J., Memorial to, Alfred J. White, **20,** 117, 1956.
Constitution and Bylaws,
of the American Association of Colleges of Pharmacy, **16,** 729, 1952.
Interim Report of Committee on, Lloyd M. Parks, **16,** 289, 1952.
Report of the Committee on, Hugo H. Schaefer, **14,** 655, 1950; Lloyd M. Parks, **16,** 70, 1952; **17,** 674, 1953; J. Lester Hayman, **19,** 518, 1955; Leslie M. Ohmart, **20,** 349, 1956.
Continuation Studies, Report of the Committee on, Roy A. Bowers, **20,** 392, 1956.
Contributions,
of the American Pharmaceutical Association to the American Association of Colleges of Pharmacy, Ivor Griffith, **16,** 557, 1952.
of the Teacher of Pharmacognosy to the Course in Dispensing, Mitchell J. Stoklosa, **15,** 435, 1951.
Control,
and Assay, Methods Used in, H. George DeKay, **14,** 120, 1950.
Laboratory, Carl J. Klemme, **14,** 123, 1950.
Cook, Roy B., Remington Citation for, Hugo H. Schaefer, **19,** 831, 1955.
Corrections, 17, 155, 1953.
Correlation,
Between a Teacher of Pharmacy Jurisprudence and a Teacher of Pharmacy Dispensing, Esther Jane Wood Hall, **18,** 49, 1954.
of Pharmacognosy and Pharmacology, Ewart A. Swinyard, **18,** 480, 1954.
Cost and Sales Percentages Analysis Chart, J. H. Goodness, **16,** 262, 1952.
Council (American) on Pharmaceutical Education, Report of (See American Council on Pharmaceutical Education).
Course,
of Action for the Plant Science Seminar, Heber W. Youngken, Jr., **16,** 215, 1952.
in Economic Biology for Pharmacy Students, Maynard W. Quimby, **15,** 49, 1951.
in Graduate Orientation and Research Indoctrination, Alfred N. Martin and Joseph B. Sprowls, **16,** 247, 1952.
Courses, Specialized, in History of Pharmacy, George Urdang, **14,** 140, 1950.
Crowe, Robert Latta, A Memorial to, 17, 727, 1953.
C. S. Rafinesque (1783-1840): a Challenge to the Historian of Pharmacy, Alex Berman, **16,** 409, 1952.
Current (The) and Future Program of the American Foundation for Pharmaceutical Education, W. Paul Briggs, **15,** 513, 1951.
Curricula, In Revision What Should be Done about Quantitative Chemistry and Drug Assay Courses?, Lee F. Worrell, **18,** 66, 1954.
Curriculum Committee, Report of, George L. Webster, **14,** 438, 1950; **15,** 555, 1951; Stephen Wilson, **16,** 576, 1952; **17,** 628, 1953; **18,** 617, 1954; Lloyd M. Parks, **19,** 522, 1955; **20,** 350, 1956.
Curriculum,
(Pharmaceutical),
General Pharmacy in, Stephen Wilson, **14,** 582, 1950.
The Pharmacognetic Influence of Natural Substances and Their Consideration in, Arnold C. Neva, **14,** 179, 1950.

Sequential Order of Courses in Physical Science and Mathematics in, G. L. Webster, **16,** 22, 1952.
Pharmacy,
General Objectives of Quantitative Analysis and Drug Assay in, Arthur E. James, **18,** 74, 1954.
Introductory Physiology in, Elbert Voss, **17,** 204, 1953.
A New Sequence in, J. B. Sprowls and A. N. Martin, **17,** 230, 1953.
Pesticides—Their Place in, Bernard E. Conley, **16,** 41, 1952.
(Business Management), The Integration of Hospital Pharmacy Administration into, S. B. Jeffries and Isidore Greenberg, **17,** 275, 1953.
Revision, An Experiment with, Arthur G. Zupko and Frank L. Mercer, **20,** 191, 1956.
Curry, Gordon Laten, A Memorial to, Earl P. Slone, **14,** 345, 1950.

D

Daniels, Troy Cook, Biography, Rufus A. Lyman, **16,** 530, 1952.
Davis, Hugh Leslie, Memorial to, 16, 172, 1952.
Day (The) of the History of Pharmacy at Paris, September 17, 1953, P. H. Brans, **18,** 154, 1954.
Dedication of the Pharmacy Museum La Pharmacie Francais de Louis Dufilho, John F. McCloskey, **15,** 126, 1951.
Degrees (Graduate) and Graduate Study, The Significance of, Walter C. Russell, **14,** 533, 1950.
Development,
of a Graduate Program Leading to the Master's Degree in Pharmacy Administration, S. B. Jeffries and I. Greenberg, **20,** 619, 1956.
of the Microscope and Its Application to Medicine and Public Health, Abbott Payson Usher, **15,** 319, 1951.
of Professional Morality in Pharmacy Students, Allen I. White, **17,** 222, 1953.
of a Program of Student Research Projects at the Brooklyn College of Pharmacy, Isidore Greenberg, **15,** 438, 1951.
Difficulties in Teaching Drug Store Management, Charles C. Rabe, **18,** 46, 1954.
Dirstine, P. H., Memorial to, Melvin R. Gibson, **20,** 118, 1956.
Dispensing,
Contributions of the Teacher of Pharmacognosy to the Course in, Mitchell J. Stoklosa, **15,** 435, 1951.
(The) Course: Its Content and Method, Elmer M. Plein, **14,** 200, 1950.
of Dosage Forms (Abstract), Leslie M. Ohmart, **14,** 105, 1950.
Hospital, Outline for, Louis C. Zopf, **14,** 111, 1950.
Laboratory, Evaluation of Students in, Joseph L. Kanig, **20,** 51, 1956.
(The) Pharmacist's Need for Training in Chemistry, Joseph B. Sprowls, **19,** 311, 1955.
Pharmacy,
A Functional Course in, Earl P. Guth, **18,** 96, 1954.
Points for Emphasis in the Teaching of, Jean Brown, **18,** 101, 1954.
The Prescription Survey as a Teaching Aid in, L. E. Bingenheimer, Jr., **18,** 107, 1954.
The Terminal Course in Pharmacy, Donald C. Brodie, and Sidney Riegelman, **14,** 96, 1950.
(Senior), The Use of Photostatic Positive Prescriptions in Teaching, Edward Stempel, **16,** 470, 1952.

of Solutions (Abstract), Karl J. Goldner, **14,** 101, 1950.
Stimulating Compounding Accuracy in, L. E. Bingenheimer, Jr., **17,** 236, 1953.
(Teacher of) and Teacher of Pharmacy Jurisprudence, Correlation Between, Esther Jane Wood Hall, **18,** 49, 1954.
A Visual Aid in the Teaching of, A. E. Slesser and Earl P. Slone, **14,** 321, 1950.

Doctoral Level Research in the History of Pharmacy, The Character of, Glenn Sonnedecker, **18,** 239, 1954.

Doctorate Level Research,
in the Biological Sciences, Character of, Ewart A. Swinyard, **18,** 260, 1954.
in the Physical Sciences, The Character of, Carl J. Christensen, **18,** 231, 1954.

Does the Procurement Agent for Medical Supplies Differ from the General Purchasing Agent?, George B. Hook, **17,** 419, 1953.

Donovan, Robert Joseph, Memorial to, H. C. Newton, **18,** 742, 1954.

Dosage Forms,
Dispensing of, Leslie M. Ohmart, **14,** 105, 1950.
Special Techniques and Agents in the Manufacture of, H. Geo. DeKay, **14,** 95, 1950.

Drake's Fitch Hall of Pharmacy, Byrl E. Benton, **20,** 169, 1956.

Dr. Lyman Comments, Rufus A. Lyman, **20,** 449, 1956.

Drug Assay,
Courses,
The Importance of to Pharmacists in Industry, Frederick F. Johnson, **18,** 83, 1954.
The Importance of to Pharmacists in Retail and Hospital Practice, W. Arthur Purdum, **18,** 81, 1954.
and Quantitative Analysis in the Pharmacy Curriculum, General Objectives, Arthur E. James, **18,** 74, 1954.
and Quantitative Chemistry Courses, What Should Be Done About them in Revising the Curricula, Lee F. Worrell, **18,** 66, 1954.

Drug Industry, Pharmaceutical Education and Foundation of, Robert L. Swain, **19,** 5, 1955.

Drugstore,
Management,
Difficulties in Teaching, Charles C. Rabe, **18,** 46, 1954.
An Experiment in Teaching, Ewart A. Swinyard and L. David Hiner, **15,** 22, 1951.
Owners of the United States Can Solve the Problem of "Shortage of Pharmacists", Scott C. Rea, **18,** 460, 1954.
(The) in a Period of Transition, Milton P. Matthews, **20,** 595, 1956.
(Retail) Sales, Seasonal Fluctuations in, Richard J. Hampton, **18,** 427, 1954.

Dye, Clair Albert, A Memorial to, Clarence M. Brown, **14,** 250, 1950.

E

Early Utah Materia Medica: Priddy Meeks, Robert E. Reese and George E. Osborne, **18,** 401, 1954.

Economic Biology for Pharmacy Students, A Course in, Maynard W. Quimby, **15,** 49, 1951.

Economics (Pharmaceutical), The Section on of the American Pharmaceutical Association, Norman H. Francke, **17,** 334, 1953.

Editorial, Melvin R. Gibson, **20,** 108, 1956; **20,** 241, 1956; **20,** 644, 1956.

Editor Rufus A. Lyman (The), George Urdang, **20,** 10, 1956.

Editor's (The) Page, Rufus A. Lyman, **14,** 235, 1950; **14,** 329, 1950; **14,** 491, 1950; **14,** 662, 1950; **15,** 79, 1951; **15,** 239, 1951; **15,** 442, 1951; **15,** 598, 1951; **16,** 149, 1952;

16, 302, 1952; **16,** 473, 1952; **16,** 704, 1952; **17,** 126, 1953; **17,** 282, 1953; **17,** 462, 1953; **17,** 706, 1953; **18,** 116, 1954; **18,** 314, 1954; **18,** 503, 1954; **18,** 706, 1954; **19,** 183, 1955; **19,** 387, 1955; **19,** 586, 1955; **19,** 797, 1955.

Educated, What Does It Really Mean to Be?, Daniel L. Marsh, **18,** 574, 1954.

Education,
- or Catastrophe, W. Paul Briggs, **16,** 549, 1952.
- and Honors in Perspective, Chauncey Samuel Boucher, **18,** 188, 1954.
- and Legislation, The Section on of the American Pharmaceutical Association, Glenn Sonnedecker, **17,** 362, 1953.
- (General)—The Miracle Drug?, F. Taylor Jones, **19,** 285, 1955.
- (Pharmaceutical),
  - Antibiotics in, Robertson Pratt and Jean Dufrenoy, **14,** 162, 1950.
  - of the 19th Century, Science in, Glenn Sonnedecker, **15,** 185, 1951.
  - The Part of Doctors of Medicine in, George Urdang, **14,** 546, 1950.
  - Predicting Success in, H. H. Remmers and A. J. Drucker, **15,** 149, 1951.
  - and Professional Societies, Ewart A. Swinyard, **17,** 61, 1953.
  - as it Relates to the Modern Practice of Pharmacy, Robert A. Hardt, **19,** 459, 1955.
  - Report of the Committee on World Congress for, George Urdang, **14,** 453, 1950; **16,** 76, 1952.
  - A Summary and Review of the Teachers' Seminar on, Lloyd E. Blauch, **18,** 592, 1954.
  - A Survey of the Status of History of Pharmacy in American, **16,** 11, 1952.
  - in Utah I, Charles E. Parkin and George E. Osborne, **16,** 394, 1952.
  - a Vital Industrial Asset, Robert L. Swain, **18,** 382, 1954.
- (The) of Pharmacists, J. J. Eiler, **19,** 296, 1955.
- (Professional), The University and, G. Lester Anderson, **15,** 500, 1951.
- A Stern Taskmaster, Robert L. Swain, **19,** 645, 1955.
- (The) of Teachers of Pharmaceutical Chemistry, Lloyd E. Blauch, **17,** 169, 1953.
- Training for Teachers in Colleges of Pharmacy, The Need for, Joseph L. Kanig and Leonard T. Chavkin, **16,** 369, 1952.

Educational,
- and Membership Standards, Report of the Committee on, Arthur E. James, **16,** 104, 1952; **16,** 597, 1952; **17,** 608, 1953; **19,** 124, 1955; Forest J. Goodrich, **19,** 730, 1955; Chauncey I. Cooper, **20,** 357, 1956.
- Principles and Techniques, M. O. Pella, **14,** 52, 1950.

Educators of the Future, Melvin R. Gibson, **18,** 447, 1954.

Edwards, LeRoy Delos, Memorial to, G. L. Jenkins, J. E. Christian, and T. S. Miya, **19,** 228, 1955.

Effect (The) of the Increased Prescribing of Proprietaries on the Teaching of Pharmacy Courses, Joseph B. Sprowls, **14,** 191, 1950.

Effective Laboratory Teaching in Pharmacy, M. L. Neuroth, **16,** 441, 1952.

Emergency Problems, Report of the Committee on, Hugh C. Muldoon, **16,** 73, 1952.

Emulsions,
- and Suspensions, Colloid, T. Higuchi, **14,** 88, 1950.
- (Colloid), and Suspensions, T. Higuchi, **15,** 418, 1951.

Encouraging the Dispensing of Buffered and Isotonic Eye Prescriptions by Practical Teaching Methods, Jean Brown, **20,** 222, 1956.

Enrollment,
Problems (Future), Report of the Committee on, George L. Webster, **20,** 394, 1956.
in Schools and Colleges of Pharmacy, Joseph B. Burt, **15,** 123, 1951.
Ethics,
For the Pharmacy Student, K. L. Kaufman, **17,** 225, 1953.
(Professional), Teaching, K. L. Kaufman, **18,** 255, 1954.
Evaluation,
(An) of the 1955 Teachers' Seminar in Pharmacy, Tom D. Rowe, **19,** 678, 1955.
(An) of the 1953 Seminar on Pharmacognosy, H. W. Youngken, Jr., **18,** 201, 1954.
of Students in the Dispensing Laboratory, Joseph L. Kanig, **20,** 51, 1956.
Examination,
Experiments in the Use of the Problem Type for Students in Pharmacy Administration, Paul C. Olsen, **14,** 278, 1950.
(State Board), Pharmacognosy and, L. David Hiner, **16,** 448, 1952.
Executive Committee,
A Message From, Joseph B. Burt, **15,** 259, 1951.
Minutes of Annual Meeting, Louis C. Zopf, **14,** 484, 1950; **15,** 590, 1951; **17,** 111, 1953; **17,** 697, 1953; R. A. Deno, **18,** 681, 1954; **19,** 565, 1955; **20,** 420, 1956.
Minutes of Interim Meeting, Louis C. Zopf, **15,** 117, 1951.
Meeting, Minutes of, Louis C. Zopf, **16,** 293, 1952; **17,** 117, 1953; R. A. Deno, **18,** 287, 1954; **19,** 367, 1955; **20,** 82, 1956.
Minutes of the Post Session Meeting, R. A. Deno, **17,** 702, 1953; **18,** 699, 1954; **19,** 580, 1955; **20,** 433, 1956.
Report of, Joseph B. Burt, **14,** 433, 1950; **15,** 542, 1951; **16,** 566, 1952; **17,** 580, 1953; Louis C. Zopf, **18,** 611, 1954; **19,** 509, 1955; **20,** 332, 1956.
Experiment,
(An) with Curriculum Revision, Frank L. Mercer and Arthur G. Zupko, **20,** 191, 1956.
on Peripheral Blood Flow, A Student, Raymond P. Ahlquist, **15,** 218, 1951.
(An) With Pharmaceutical Administration at Howard University, Chauncey I. Cooper, **14,** 309, 1950.
(An) in Stimulating Library Use, Charles H. Rogers and Mary Agnes Wolfe, **15,** 223, 1951.
(An) in Teaching Drugstore Management at Utah, Ewart A. Swinyard and L. David Hiner, **15,** 22, 1951.
(An) in Teaching Pharmaceutical Preparations, James E. McDavid, **18,** 416, 1954.
Experiments,
(Some New) and a Laboratory Outline for General Chemistry, Clarence A. Discher, **14,** 596, 1950.
in the Use of the Problem Type of Examination for Students in Pharmacy Administration, Paul C. Olsen, **14,** 278, 1950.
Extended Program, Planning the, Jack E. Orr, Hugo H. Schaefer, Warren E. Weaver, and John F. McCloskey, **19,** 652, 1955.
Extension,
Education, Report of the Subcommittee on, Roy A. Bowers, **19,** 726, 1955.
Pharmacy (See Pharmacy Extension).

F

Facilities (The) of the College of Pharmacy of the University of Texas, William R. Lloyd and Henry M. Burlage, **20,** 172, 1956.
Fairbairn, James W., A Biography of, 18, 156, 1954.
Fellowship and Research Grant

Program of the National Institutes of Health, Kenneth M. Endicott, **15,** 520, 1951.

Film Abstracts and Review, Heber W. Youngken, Jr., **19,** 788, 1955.

Financial Controls, The Use of in the Retail Pharmacy, S. B. Jeffries and Hilton M. Soba, **17,** 260, 1953.

First Aid, Pharmacology, Physiology, and Public Health in the Five Year Program, Ewart A. Swinyard, **20,** 544, 1956.

Five Year Curriculum,
Biological Sciences in: Physiology, Pharmacology, First Aid, and Public Health, Ewart A. Swinyard, **20,** 544, 1956.
Some Important "Musts" for, Tom D. Rowe, **20,** 42, 1956.
(2-3) at Ohio State University, Experience with the (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Loyd E. Harris, **20,** 520, 1956.
What Can We Expect of the?, Raymond E. Hopponen, **17,** 217, 1953.

Flavoring, Coloring, Masking Agents, Techniques, and Preparations (Abstract and Outline), Sylvan M. Sax and Stephen Wilson, **14,** 89, 1950.

For Better Public and Professional Relations, F. N. Hughes, **17,** 499, 1953.

Forum on Teachers' Seminars American Association of Colleges of Pharmacy, Richard A. Deno, **19,** 98, 1955.

Fraternities (Professional Pharmaceutical) for Women, The History of, Eunice R. Bonow, **18,** 409, 1954.

Freyburger, Stewart W., Memorial to, Elbert Voss, **20,** 460, 1956.

From Empirism to Applied Science in Pharmaco-Botany, Frans Verdoorn, **15,** 338, 1951.

Functional (A) Course in Dispensing Pharmacy, Earl P. Guth, **18,** 96, 1954.

Functions of the American Association of Colleges of Pharmacy, Report of Committee on, A. H. Uhl, **16,** 74, 1952.

G

Garden (Medicinal Plant), of the Massachusetts College of Pharmacy, Heber W. Youngken, Sr., **15,** 234, 1951.

Gathercoal, Edmund Norris, Memorial to, 19, 234, 1955.

General Education—The Miracle Drug?, F. Taylor Jones, **19,** 285, 1955.

General News, 20, 123, 1956; **20,** 256, 1956, **20,** 464, 1956; **20,** 657, 1956.

General Objectives in Quantitative Analysis and Drug Assay in the Pharmacy Curriculum, Arthur E. James, **18,** 74, 1954.

General Pharmacy in the Pharmaceutical Curriculum, Stephen Wilson, **14,** 582, 1950.

General (The) Seminar, Donald C. Brodie, **17,** 106, 1953.

German Pharmacy in 1950, A Visit to, George Urdang, **14,** 571, 1950.

Gleanings from the Editor's Mail, 14, 239, 1950; **14,** 494, 1950; **15,** 88, 1951; **16,** 309, 1952; **17,** 131, 1953; **17,** 286, 1953; **17,** 469, 1953; **18,** 321, 1954; **18,** 712, 1954; **19,** 191, 1955; **19,** 391, 1955; **19,** 593, 1955; **19,** 805, 1955.

Goldwag, Joseph S., Memorial to, 16, 171, 1952.

Good (The) Teacher, Milton O. Pella, **14,** 419, 1950.

Government Service,
Report of the Committee on Status of Pharmacists in, Charles H. Rogers, **16,** 91, 1952; **16,** 613, 1952; **17,** 602, 1953; **19,** 152, 1955; Noel E. Foss, **19,** 746, 1955; Robert L. VanHorne, **20,** 388, 1956.
Report of the Committee on the Status of Pharmacists in, Ar-

thur H. Einbeck, **14,** 624, 1950; **16,** 94, 1952; **16,** 606, 1952; **17,** 646, 1953; **19,** 145, 1955; **19,** 750, 1955.

Graduate,
Degree, The Language Reading Requirement for the, Heber W. Youngken, Jr., **17,** 94, 1953.
Degrees and Graduate Study, The Significance of, Walter C. Russell, **14,** 533, 1950.
Education in Pharmacy, Report of the Committee to Study, J. E. Christian, **20,** 404, 1956.
Instruction,
Address of the Chairman of the Teachers Conference on, Heber W. Youngken, Jr., **16,** 224, 1952.
on Leading to the Ph.D. Degree, The Six Year Program in Pharmacy and, Troy C. Daniels, **14,** 557, 1950.
in Pharmacology—Qualifications of Staff and Students, Ewart A. Swinyard, **16,** 244, 1952.
in Pharmacy,
Progress and Problems in, Melvin W. Green, **19,** 466, 1955.
The Undergraduate Curriculum from the Viewpoint of, T. Higuchi, **16,** 239, 1952.
and Research for Hospital Pharmacists, W. Arthur Purdum, **14,** 216, 1950.
Orientation and Research Indoctrination, A Course in, Alfred N. Martin and Joseph B. Sprowls, **16,** 247, 1952.
Pharmacology, The Objectives and How to Achieve Them, E. Leong Way, **18,** 31, 1954.
Program,
Leading to the Master's Degree in Pharmacy Administration, The Development of, S. B. Jeffries and I. Greenberg, **20,** 619, 1956.
and the Pre-Pharmacy Requirement, George P. Hager, **17,** 219, 1953.
for Training Teachers of Pharmacy, L. Wait Rising, **14,** 209, 1950.
Students,
Advising in Non-Curricular Matters, Walter H. Hartung, **19,** 36, 1955.
The Advising of with Respect to Selection of Courses and Research Problems, L. D. Edwards, **19,** 29, 1955.
in Pharmacy,
Paul J. Jannke, **19,** 95, 1955.
Should Physical Chemistry Including Instrumentation be Required of all?, Glenn L. Jenkins, **17,** 100, 1953.
Statistical Analysis as a Requirement for, Earl P. Guth, **17,** 430, 1953.
Should a Course in Statistical Analysis be Required of all, Charles W. Bauer, **17,** 91, 1953.
Studies in Pharmacognosy, Undergraduate Preparation for, Robertson Pratt, **16,** 229, 1952.
Study,
and Graduate Degrees, The Significance of, Walter C. Russell, **14,** 533, 1950.
How to Create Interest in, M. L. Neuroth, **18,** 489, 1954.
In Member Colleges for 1956-1957, Richard A. Deno, **20,** 73, 1956.
Notes on, Edward S. Brady, **18,** 500, 1954.
in Pharmaceutical Chemistry, The Applicant for, George P. Hager, **16,** 240, 1952.
in Pharmacognosy, Methods of Stimulating Students for, L. David Hiner, **18,** 494, 1954.
in Pharmacy, Report of the Committee on, Earl P. Guth, **14,** 451, 1950.
Report of the Committee on, Earl P. Guth, **16,** 89, 1952; **16,** 586, 1952; Ewart A. Swinyard, **17,** 623, 1953.
Work,
in History of Pharmacy,

George Urdang, **14,** 153, 1950.
How to Attract Students for in our Schools of Pharmacy, George Urdang, **18,** 486, 1954.
in Pharmacology, A Program for Stimulating Qualified Students into, David H. Tedeschi and Ewart A. Swinyard, **19,** 90, 1955.
at Purdue, Twenty-five years of, Donald W. Harding and Glenn L. Jenkins, **15,** 231, 1951.

Group Dynamics Teaches Sales Promotion, Robert V. Evanson, **20,** 599, 1956.

Guidance Directors (High School) and Principals, Pharmacy Information for, M. L. Neuroth, **17,** 73, 1953.

H

Handbook for Officers and Committee Chairmen, Report of the **Committee on Administrative Procedures,** G. L. Webster, **19,** 712, 1955.

Harding, Donald W., Memorial to, H. G. DeKay, R. V. Evanson, and G. J. Sperandio, **18,** 536, 1954.

Havenhill, L. D., Memorial to, J. Allen Reese, **14,** 681, 1950.

Healing Professions and Public Health, Pharmacy's Place in the Family of, Austin Smith, **17,** 46, 1953.

Health Sciences, Analysis of a Pilot Study of Factors that Motivate Individuals to Elect as a Career, with Special Reference to Pharmacy, Robertson Pratt, **20,** 175, 1956.

Heterocyclic Chemistry, The Importance of in the Teaching of Organic Pharmaceutical Chemistry, J. H. Burckhalter, **17,** 197, 1953; Taito O. Soine, **17,** 194, 1953.

Hewitt, Harold George—The Man and His Life, Melvin R. Gibson, **20,** 153, 1956.

Higher Education and Pharmacy Administration, Joseph H. Kern, **20,** 604, 1956.

High School,
Classroom, Bringing Pharmacy to, Edward J. Rowe, **20,** 206, 1956.
Principals and Guidance Directors, Pharmacy Information for, M. L. Neuroth, **17,** 73, 1953.

Histology, General Biology, Anatomy, in the Development of Pharmaceutic Service, Richard A. Deno, **17,** 401, 1953.

Historian, Report of the, George Urdang, **14,** 461, 1950; **16,** 123, 1952; **16,** 675, 1952.

Historical,
(Pharmaceutico-), Movement, George Urdang, **16,** 206, 1952.
Pharmacy, The American Pharmaceutical Association's Section on, George Urdang, **17,** 389, 1953.

History,
(A) of the American Foundation for Pharmaceutical Education, Ernest Little, **15,** 367, 1951.
of Pharmacy,
in American Pharmaceutical Education, A Survey of the Status, Glenn Sonnedecker and George Urdang, **16,** 11, 1952.
Annual Meeting of the American Institute of, Rufus A. Lyman, **14,** 258, 1950.
The Character of Research at the Doctoral Level in, Glenn Sonnedecker, **18,** 239, 1954.
The Concept of, George Urdang, **14,** 128, 1950.
The Day of at Paris, September 17, 1953, P. H. Bruns, **18,** 154, 1954.
Graduate Work in, George Urdang, **14,** 153, 1950.
Outline of Assignments for, Charles O. Lee, **14,** 157, 1950.
Some Teaching Aids in, Glenn

Sonnedecker, **14,** 144, 1950.
Specialized Courses in, George Urdang, **14,** 140, 1950.
Teaching, George Urdang, **14,** 136, 1950.
(The) of Professional Pharmaceutical Fraternities for Women, Eunice R. Bonow, **18,** 409, 1954.
Honor,
Societies, The Significance of, George D. Beal, **15,** 35, 1951.
System in Virginia Colleges, M. L. Neuroth, **19,** 84, 1955.
Honors and Education in Perspective, Chauncey Samuel Boucher, **18,** 188, 1954.
Hood, Reuben C., Memorial to, Minnie M. Meyer, **19,** 827, 1955.
Hook, George Bernard, Memorial to, William L. Blockstein and Joseph D. McEvilla, **20,** 459, 1956.
Hospital,
Dispensing, Outline for, Louis C. Zopf, **14,** 111, 1950.
Pharmacists, Research and Graduate Instruction for, W. Arthur Purdum, **14,** 216, 1950.
Pharmacy,
Administration, The Integration of into the Pharmacy Business Management Curriculum, S. B. Jeffries and Isidore Greenberg, **17,** 275, 1953.
Education, Report of the Committee on, George L. Webster, **19,** 166, 1955.
Manufacturing for, Byrl E. Benton, **14,** 125, 1950.
Training and Internship in (A Symposium), Louis C. Zopf, W. Arthur Purdum, Tom D. Rowe, **20,** 557, 1956.
Practice and Retail, The Importance of Drug Assay Courses to Pharmacists in, **18,** 81, 1954.
Howard University, An Experiment with Pharmaceutical Administration at, Chauncey I. Cooper, **14,** 309, 1950.
How to Attract Students for Graduate Work in Our Schools of Pharmacy, George Urdang, **18,** 486, 1954.
How to Create Interest in Graduate Study, M. L. Neuroth, **18,** 489, 1954.
Human Physiology—Its Importance as a Pre-Requisite to the Proper Understanding of Pharmacology, Robert A. Walsh, **16,** 50, 1952.
Hyssop (Biblical) and Penicillin, David I. Macht, **17,** 457, 1953.

I

Illinois (University of) College of Pharmacy, E. R. Serles, **20,** 158, 1956.
Immediate (The) Years Ahead, Hugo H. Schaefer, **15,** 388, 1951.
Importance,
(The) of Drug Assay Courses,
to Pharmacists in Industry, Frederick F. Johnson, **18, 83,** 1954.
to Pharmacists in Retail and Hospital Practice, W. Arthur Purdum, **18,** 81, 1954.
(The) of Heterocyclic Chemistry, in the Teaching of Organic Pharmaceutical Chemistry, J. H. Burckhalter, **17,** 197, 1953.
in the Teaching of Organic Pharmaceutical Chemistry, Taito O. Soine, **17,** 194, 1953.
(The) of a Knowledge of Microbiology,
to the Hospital Pharmacist, George F. Reddish, **19,** 65, 1955.
to the Retail Pharmacist, Louis Gershenfeld, **19,** 74, 1955.
In What Ways Can the American Association of Colleges of Pharmacy Best Serve Its Member Colleges, Dale E. Wurster, **18,** 250, 1954.
Incompatibilities, Dale E. Wurster, **14,** 107, 1950; **15,** 424, 1951.

Increasing Efficiency in Pedagogy —The Primary Objective of the Section on Pharmacy of the Conference of Teachers, Roy C. Darlington, **17,** 201, 1953.

Industrial,
Asset (A Vital)—Pharmaceutical Education, Robert L. Swain, **18,** 382, 1954.
Literature in Visual Instruction, C. W. Ballard, **14,** 188, 1950.
Pharmacy, Noel E. Foss, **14,** 205, 1950.

Industry,
(Chemical), Applied Science in, Henry M. Leicester, **15,** 308, 1951.
The Importance of Drug Assay Courses to Pharmacists in, Frederick F. Johnson, **18,** 83, 1954.
The Pharmacy-Trained Ph.D. in, G. F. Cartland, **20,** 29, 1956.
(Pharmaceutical), Undergraduate Chemical Training of the Pharmacist Entering, Ernest L. Beals, **16,** 419, 1952.

In-Service Training for Pharmacists, An Analysis of the Survey's Recommendations for, William S. Apple, **19,** 327, 1955.

Installation Addresses of Incoming Presidents (See President-Elect Addresses).

Instrumentation and Physical Chemistry, Should They be Required of All Graduate Students in Pharmacy?, Glenn L. Jenkins, **17,** 100, 1953.

Integration (The) of Hospital Pharmacy Administration into the Pharmacy Business Management Curriculum, S. B. Jeffries and Isidore Greenberg, **17,** 275, 1953.

Interim Executive Committee Minutes (See Executive Committee).

Interim Report,
of Committee on Constitution and Bylaws as of March 29, 1952, Lloyd M. Parks, **16,** 289, 1952.
of the Secretary-Treasurer, R. A. Deno, **19,** 506, 1955.
of Sub-Committee on Office of Permanent Secretary, G. L. Webster, **16,** 285, 1952.

Internship,
(Pharmacy), Must be a Post-graduate Program, Louis E. Kazin, **17,** 424, 1953.
and Training in Hospital Pharmacy (A Symposium), Louis C. Zopf, W. Arthur Purdum, Tom D. Rowe, **20,** 557, 1956.

Introductory Physiology in the Pharmacy Curriculum, Elbert Voss, **17,** 204, 1953.

Is Pharmacy No Longer to Be A Major in the Pharmaceutical Curriculum, Kenneth L. Waters, **14,** 275, 1950.

J

Jacobs, Marion Lee, Memorial to, E. A. Brecht, **14,** 507, 1950.

Jobs, Where Will They Find, Robert P. Fischelis, **15,** 394, 1951.

Johnson, David Byars Ray, Memorial to, Rufus A. Lyman, **19,** 826, 1955.

Journals (Pharmaceutical Trade), The Use of in the Teaching of Pharmacy Administration, Paul C. Olsen, **18,** 53, 1954.

Jurisprudence (Teacher of) and and Teacher of Pharmacy Dispensing, Correlation Between, Esther Jane Wood Hall, **18,** 49, 1954.

K

Kelley, Ray Stanley, Memorial to, Howard C. Newton, **18,** 353, 1954.

Kendig, H. Evert, Memorial to, Joseph B. Sprowls, **14,** 511, 1950.

Koch, Julius Arnold, Memorial to, Edward C. Reif and William L. Blockstein, **20,** 457, 1956.

Korea (South), Pharmacy in, Charles O. Lee, **19,** 683, 1955.

Kremers, Edward, Memorial Lecture, George D. Beal, **15,** 5, 1951.

L

Laboratory,
(A) Approach to the Teaching of Prescription Specialties, M. G. Webber, **20,** 585, 1956.
(Chemistry) Course for Undergraduate Students, An Opportunity for Learning in, Carroll B. Gustafson, **16,** 465, 1952.
Control (Abstract), Carl J. Klemme, **14,** 123, 1950.
(A) Outline and Some New Experiments for General Chemistry, Clarence A. Discher, **14,** 596, 1950.
Course in Pharmacognosy, A Proposed, Frank L. Mercer and Arthur G. Zupko, **17,** 81, 1953.
(Pharmacognosy), Some of Its Important Aspects, J. Hampton Hoch, **16,** 450, 1952; Heber W. Youngken, Sr., **16,** 454, 1952.
(Pharmacology), The Undergraduate Course, Ewart A. Swinyard, **16,** 375, 1952.
(Pharmacy), Effective Teaching in, M. L. Neuroth, **16,** 441, 1952.

Language (The) Reading Requirement for the Graduate Degree, Heber W. Youngken, Jr., **17,** 94, 1953.

Laquer, Fritz Oscar, Memorial to, Joseph B. Sprowls, **18,** 741, 1954.

Lavoisier's "Chemical Revolution" and Pharmacy, George Urdang, **18,** 216, 1954.

Learning, Some Fundamental Psychological Principles of, M. O. Pella, **14,** 6, 1950.

Legislation (Pharmacy), The Pharmacy School Teacher and, Joseph H. Goodness, **18,** 58, 1954.

Level of Physical Chemistry in the Undergraduate Curriculum, T. Higuchi, **20,** 549, 1956.

Lewis, Howard Bishop, Memorial to, Richard A. Deno, **18,** 352, 1954.

Librarianship (Pharmacy College), Tools for, M. Margaret Kehl, **19,** 15, 1955.

Libraries,
Centralized vs. Decentralized, Clifton E. Miller, **17,** 454, 1953.
(College of Pharmacy), Books, Reference Works and Periodical Literature Recommended for, Medical Library Association Committee on Standards and Criteria for Pharmacy School Libraries, **19,** 480, 1955.
Report of the Committee on, C. O. Lee, **14,** 613, 1950; **16,** 79, 1952; **16,** 632, 1952; R. A. Deno, **17,** 597, 1953; **18,** 646, 1954; Glenn Sonnedecker, **19,** 536, 1955; George E. Osborne, **20,** 360, 1956.

Library,
Association (Medical), Abstract of the Proceedings of the Pharmacy Group of in the 1951 Meeting, Rufus A. Lyman, **16,** 182, 1952.
A Proposed Course for Teaching the Use of at the Philadelphia College of Pharmacy and Science, Elizabeth W. Johnson, **14,** 606, 1950.
Survey of Colleges of Pharmacy, Fall of 1953, Melvin W. Green, **18,** 600, 1954.
Use, An Experiment in Stimulating, Charles H. Rogers and Mary Agnes Wolfe, **15,** 223, 1951.

Lilly (The) Industrial Seminar, Linwood F. Tice, **19,** 681, 1955.

Literature (Industrial) in Visual Instruction, C. W. Ballard, **14,** 188, 1950.

Little, Ernest, Remington Medalist (A Citation), Curt P. Wimmer, **14,** 255, 1950.

Local and Systemic Preparations, Advanced Technology of, Allen I. White, **14,** 92, 1950.

Lyman, Rufus Ashley,
A Biographical Sketch, Joseph B. Burt, **20,** 1, 1956.
The Editor, George Urdang, **20,** 10, 1956.
My Old Man, R. A. Lyman, Jr., **20,** 18, 1956.
A Student's View, Charles W. Bliven, **20,** 15, 1956.
at the University of Arizona, Willis R. Brewer and Robert L. Nugent, **20,** 21, 1956.
When? A Personal Measure of Him Who Was and Is, Edward C. Elliott, **20,** 8, 1956.

Lynn, Eldin Verne, Memorial to, Howard C. Newton, **20,** 249, 1956.

M

Manufacture of Dosage Forms, Special Techniques and Agents in, H. Geo. DeKay, **14,** 95, 1950.

Manufacturing,
for Hospital Pharmacy (Abstract), Byrl E. Benton, **14,** 125, 1950.
Pharmaceutical, Carl J. Klemme, **14,** 118, 1950.
Pharmacy, An Undergraduate Course in, Dwight L. Deardorff, **18,** 422, 1954.

Masking, Flavoring, Coloring Agents, Techniques and Preparations, Stephen Wilson and Sylvan M. Sax, **14,** 89, 1950.

Materia Medica (Early Utah): Priddy Meeks, Robert E. Reese and George E. Osborne, **18,** 401, 1954.

Marriages,
14, 556, 1950; **15,** 171, 1950; **15,** 441, 1951; **15,** 628, 1951; **16,** 246, 1952; **17,** 163, 1953; **17,** 274, 1953; **17,** 469, 1953; **18,** 351, 1954; **18,** 507, 1954; **18,** 606, 1954; **19,** 190, 1955; **19,** 420, 1955; **19,** 479, 1955; **19,** 825, 1955; **20,** 121, 1956; **20,** 253, 1956; **20,** 464, 1956; **20,** 653, 1956.

Mathematical Concepts (Fundamental), Some Suggestions on Teaching, John R. Mayor, **14,** 35, 1950.

Mathematics,
and Physical Science in the Pharmaceutical Curriculum, Sequential Order of Courses, G. L. Webster, **16,** 22, 1952.
and Physical Sciences, George L. Webster, **14,** 269, 1950.
Requirements in Colleges of Pharmacy, James A. Kearns, **20,** 59, 1956.
of USP XIV Bioassays, James C. Munch, Samuel Kuna, and Edward V. Dietrick, **15,** 55, 1951.

Measurements and Calculations Used in Pharmacy, The Relationship Between, J. Leon Lichtin, **17,** 254, 1953.

Measuring (The) Stick for Professional Panhellenic Association Membership, Marjorie Moburg Coghill, **16,** 350, 1952.

Medical,
Doctors, Their Part in Pharmaceutical Education, George Urdang, **14,** 546, 1950.
Library Association, Abstract of the Proceedings of the Pharmacy Group of in the 1951 Meeting, Rufus A. Lyman, **16,** 182, 1952.

Medicinal (The) Plant Garden of the Massachusetts College of Pharmacy, Heber W. Youngken, Sr., **15,** 234, 1951.

Medicine, Application of Science to, George Rosen, **15,** 290, 1951.

Meeks, Priddy: Early Utah Materia Medica, Robert E. Reese and George E. Osborne, **18,** 401, 1954.

Memorial to,
Leslie Burns Barrett, Henry S. Johnson, **14,** 509, 1950.
Bernard Aloysius Bialk, Elwin G. Wood, Albert L. Picchioni, and Willis R. Brewer, **19,** 233, 1955.
Chauncey Samuel Boucher, Rufus A. Lyman, **19,** 829, 1955.
M. Robert Buchdahl, Richard E. Faust, **20,** 649, 1956.
John F. Burke, Kenneth L. Waters, **16,** 336, 1952.
Wanda J. Butler, Ferris Faculty, **19,** 826, 1955.
Wallace Werrett Charters, A. B. Lemon, **16,** 492, 1952.
Bernard Victor Christensen, Earl P. Guth, **20,** 649, 1956.
Peter J. Conroy, Alfred J. White, **20,** 117, 1956.
Robert Latta Crowe, **17,** 727, 1953.
Gordon Laten Curry, Earl P. Slone, **14,** 345, 1950.
Hugh Leslie Davis, **16,** 172, 1952.
P. H. Dirstine, Melvin R. Gibson, **20,** 118, 1956.
Robert Joseph Donovan, H. C. Newton, **18,** 742, 1954.
Clair Albert Dye, Clarence M. Brown, **14,** 250, 1950.
Leroy Delos Edwards, G. L. Jenkins, J. E. Christian, and T. S. Miya, **19,** 228, 1955.
Stewart W. Freyburger, Elbert Voss, **20,** 460, 1956.
Edmund Norris Gathercoal, **19,** 234, 1955.
Joseph S. Goldwag, **16,** 171, 1952.
Donald W. Harding, H. G. DeKay, R. V. Evanson and G. J. Sperandio, **18,** 536, 1954.
L. D. Havenhill, J. Allen Reese, **14,** 681, 1950.
Reuben C. Hood, Minnie M. Meyer, **19,** 827, 1955.
George Bernard Hook, William L. Blockstein and Joseph D. McEvilla, **20,** 459, 1956.
Marion Lee Jacobs, E. A. Brecht, **14,** 507, 1950.
David Byars Ray Johnson, Rufus A. Lyman, **19,** 826, 1955.
Ray Stanley Kelley, Howard C. Newton, **18,** 353, 1954.
H. Evert Kendig, Joseph B. Sprowls, **14,** 511, 1950.
Julius Arnold Koch, Edward C. Reif and William L. Blockstein, **20,** 457, 1956.
Fritz Oscar Laquer, Joseph B. Sprowls, **18,** 741, 1954.
Howard Bishop Lewis, Richard A. Deno, **18,** 352, 1954.
Eldin Verne Lynn, Howard C. Newton, **20,** 249, 1956.
Ludwig Metzger, Heber W. Youngken, Jr., **14,** 681, 1950.
Emory Tyler Motley, R. W. Morrison, **16,** 721, 1952.
Hugh C. Muldoon, Daniel M. Philbin, **20,** 462, 1956.
Bert Ray Mull, N. L. Mitchener, A. A. Harwood, and E. J. Rowe, **20,** 250, 1956.
Edwin Leigh Newcomb, Ernest Little, **14,** 682, 1950.
Alfred H. Olive, **18,** 149, 1954.
Ira Winfield Rose, Alice Noble, **16,** 336, 1952.
Wortley Fuller Rudd, R. Blackwell Smith, Jr., **14,** 684, 1950.
Louis Saalbach, William L. Blockstein, **20,** 118, 1956.
Salvatore Santelli, Berl S. Alstodt, **20,** 250, 1956.
Freeman Preston Stroup, Ivor Griffith, **16,** 723, 1952.
Julius W. Sturmer, Ivor Griffith, **16,** 722, 1952.
Nellie A. Wakeman, Arthur H. Uhl, **16,** 491, 1952.
Wayland Delano Wilcox, Rufus A. Lyman, **18,** 354, 1954.
Curt P. Wimmer, David Beiles, **15,** 615, 1951.
A. L. I. Winne, Wortley F. Rudd, **14,** 507, 1950.
J. Carleton Wolf, B. Olive Cole, **19,** 231, 1955.
John Herman Wurdack, **19,** 230, 1955.
Chalmers Joseph Zufall, H. G. DeKay, C. L. Porter, Egil

Ramstad, and C. O. Lee, **18,** 150, 1954.

Memorial Poem to Hugh C. Muldoon, Clarence C. Walton, **20,** 461, 1956.

Message (A) from the Executive Committee, Joseph B. Burt, **15,** 259, 1951.

Methods,
- and Aims in Modern Scholarship, George P. Rice, Jr., **15,** 17, 1951.
- of Presentation, M. O. Pella, **14,** 21, 1950.
- of Stimulating Students for Graduate Study in Pharmacognosy, L. David Hiner, **18,** 494, 1954.
- Used in Assay and Control (Abstract), H. George DeKay, **14,** 120, 1950.

Metzger, Ludwig, Memorial to, Heber W. Youngken, Jr., **14,** 681, 1950.

Michigan (University of), The Seventy-fifth Anniversary of the College of Pharmacy of the, Thomas D. Rowe, **16,** 177, 1952.

Microbiology,
- Bacteriology, and Public Health in the Development of Pharmaceutic Service, J. T. Tripp, **17,** 406, 1953.
- to the Hospital Pharmacist, The Importance of a Knowledge of, George F. Reddish, **19,** 65, 1955.
- Objectives in Teaching, Max S. Marshall, **19,** 53, 1955.
- for Pharmacy Students, The Scope of the Course in, S. E. Hartsell, **19,** 69, 1955.
- to the Retail Pharmacist, The Importance of a Knowledge of, Louis Gershenfeld, **19,** 74, 1955.

Microscope (The), Its Development and Application to Medicine and Public Health, Abbott Payson Usher, **15,** 319, 1951.

Midshipman (The) Cruise on the U.S.S. Macon, E. L. Hammond, **18,** 463, 1954.

Minimum (The) Prerequisites for the Undergraduate Pharmacology Course, LeRoy D. Edwards, **16,** 235, 1952.

Minnesota Pharmacy, ROTC at the University of, Charles H. Rogers, **14,** 169, 1950.

Minutes of the Annual Meeting of the American Institute of the History of Pharmacy (An Abstract), Rufus A. Lyman, **15,** 618, 1951; Glenn Sonnedecker, **16,** 497, 1952; **19,** 835, 1955.

Minutes of Executive Committee Meetings (See Executive Committee).

Minutes of the Meetings of the American Foundation for Pharmaceutical Education (See American Foundation for Pharmaceutical Education).

Mission (A) to Oxford, H. W. Youngken, Jr., **15,** 28, 1951.

Modern Trends in the Teaching of Pharmacognosy, Raymond W. Vanderwyk, **17,** 76, 1953.

Morality (Professional), The Development of in Pharmacy Students, Allen I. White, **17,** 222, 1953.

Motivation to Elect Health Sciences as a Career with Special Reference to Pharmacy, Analysis of a Pilot Study of Factors, Robertson Pratt, **20,** 175, 1956.

Motley, Emory Tyler, Memorial to, R. W. Morrison, **16,** 721, 1952.

Muldoon, Hugh C.,
- Memorial Poem to, Clarence C. Walton, **20,** 461, 1956.
- Memorial to, Daniel M. Philbin, **20,** 462, 1956.
- Remington Medal Citation for, Hugo H. Schaefer, **18,** 153, 1954.

Mull, Bert Ray, Memorial to, A. A. Harwood, N. L. Michener, E. J. Rowe, **20,** 250, 1956.

Museum (Pharmacy),
- Address of Dedication of, George Urdang, **15,** 129, 1951.
- Dedication of the La Pharmacie Francais de Louis Dufilho,

John F. McCloskey, **15,** 126, 1951.

My Old Man, R. A. Lyman, Jr., **20,** 18, 1956.

N

National (The) Drug Trade Conference,
Robert L. Swain, **19,** 705, 1955.
Report of the Representatives to, Hugo H. Schaefer, **14,** 633, 1950; **16,** 130, 1952; **16,** 688, 1952; **17,** 687, 1953; **18,** 669, 1954; **19,** 782, 1955; **20,** 416, 1956.

National Institutes of Health (The), The Research Grant and Fellowship Program of, Kenneth M. Endicott, **15,** 520, 1951.

National (The) Pharmaceutical Council, Inc., Newell Stewart, **19,** 81, 1955.

National (A) Seminar Program for the Practicing Pharmacist, Martin Barr, **17,** 252, 1953.

National Wholesale Druggists' Association, Report of the Representative to, Alvah G. Hall, **19,** 175, 1955; Kenneth L. Waters, **19,** 786, 1955; J. Lester Hayman, **20,** 418, 1956.

Natural Substances, The Pharmacogenetic Influence of and Their Consideration in the Pharmaceutical Curriculum, Arnold C. Neva, **14,** 179, 1950.

Need (The) for Education Training for Teachers, Joseph L. Kanig and Leonard T. Chavkin, **16,** 369, 1952.

Needs of Our Colleges of Pharmacy, Richard A. Deno, **15,** 525, 1951.

New Books,
14, 260, 1950; **14,** 361, 1950; **14,** 525, 1950; **14,** 693, 1950; **15,** 136, 1951; **15,** 270, 1951; **15,** 464, 1951; **15,** 623, 1951; **16,** 363, 1952; **16,** 515, 1952; **16,** 724, 1952; **17,** 160, 1953; **17,** 316, 1953; **17,** 732, 1953; **18,** 163, 1954; **18,** 365, 1954; **18,** 542, 1954; **18,** 747, 1954; **19,** 239, 1955; **19,** 422, 1955; **19,** 624, 1955; **19,** 837, 1955; **20,** 151, 1956; **20,** 303, 1956; **20,** 508, 1956; **20,** 692, 1956.

Newcomb, Edwin Leigh,
and The American Foundation for Pharmaceutical Education, Ernest Little, **15,** 107, 1951.
Memorial to, Ernest Little, **14,** 682, 1950.
Remington Medal Citation to, Curt P. Wimmer, **15,** 111, 1951.

New in the Family,
14, 249, 1950; **14,** 372, 1950; **14,** 577, 1950; **15,** 76, 1951; **15,** 230, 1951; **15,** 441, 1951; **15,** 524, 1951; **16,** 176, 1952; **16,** 360, 1952; **16,** 464, 1952; **17,** 163, 1953; **17,** 312, 1953; **17,** 491, 1953; **17,** 575, 1953; **18,** 115, 1954; **18,** 367, 1954; **18,** 704, 1954; **19,** 14, 1955; **19,** 421, 1955; **19,** 585, 1955; **19,** 794, 1955 (See also New Little People).

New Little People, 20, 120, 1956; **20,** 252, 1956; **20,** 464, 1956; **20,** 652, 1956.

New Medical Sciences Building, University of California Medical Center, San Francisco, T. C. Daniels, **20,** 163, 1956.

New and Non-Officials (Proprietaries) (Abstract), Joseph B. Sprowls, **14,** 108, 1950.

New (A) Sequence in the Pharmacy Curriculum, J. B. Sprowls and A. N. Martin, **17,** 230, 1953.

News,
College, **20,** 129, 1956; **20,** 259, 1956; **20,** 464, 1956; **20,** 662, 1956 (See also Notes and News).
General, **20,** 123, 1956; **20,** 256, 1956; **20,** 464, 1956; **20,** 657, 1956.

Nineteen Fifty-One (The) Teachers' Seminar on Pharmacology, Glenn L. Jenkins, **15,** 265, 1951.

Nineteen Fifty (The) Seminar in Pharmaceutical Administration, **14,** 352, 1950.

Nineteen Fifty-Two (The) Remington Medal Presentation Address, Hugo H. Schaefer, **16,** 198, 1952.

Nineteen Forty-Nine (The) Pharmacy Seminar—The Objectives, Bernard V. Christensen, **14,** 5, 1950.

Nomenclature, Professional, Charles O. Lee, **14,** 82, 1950; **15,** 407, 1951.

Notes on Graduate Study, Edward S. Brady, **18,** 500, 1954.

Notes and News,
14, 240, 1950; **14,** 336, 1950; **14,** 495, 1950; **14,** 667, 1950; **15,** 90, 1951; **15,** 246, 1951; **15,** 446, 1951; **15,** 603, 1951; **16,** 154, 1952; **16,** 317, 1952; **16,** 478, 1952; **16,** 707, 1952; **17,** 135, 1953; **17,** 290, 1953; **17,** 470, 1953; **17,** 711, 1953; **18,** 122, 1954; **18,** 328, 1954; **18,** 508, 1954; **18,** 720, 1954; **19,** 197, 1955; **19,** 394, 1955; **19,** 601, 1955; **19,** 808, 1955.

O

Objectives,
(The) and Content of the University Course in Animal Health Pharmacy, Willard J. Hadley, **19,** 689, 1955.
(The) of Graduate Pharmacology and How to Achieve Them, E. Leong Way, **18,** 31, 1954.
in Teaching Microbiology, Max S. Marshall, **19,** 53, 1955.
(The) of Undergraduate Pharmacology and How to Achieve Them, James R. Weeks, **18,** 38, 1954.

Officers and Committee Chairmen, A Handbook for: A Report of the Committee on Administrative Procedures, G. L. Webster, **19,** 712, 1955.

Ohio State University, Experience with the Two-Three Program at (Part of a Panel: Problems of Admission from Pre-Pharmacal Program), Loyd E. Harris, **20,** 520, 1956.

Olive, Alfred H., Memorial to, **18,** 149, 1954.

Opportunity (An) for Learning in the Undergraduate Chemistry Laboratory Course, Carroll B. Gustafson, **16,** 465, 1952.

Organic Medicinal Products, What Should Be the Proper Balance and/or Correlation Between the Chemistry and the Pharmacology?, E. E. Leuallen, **15,** 43, 1951; Fred Semeniuk, **15,** 47, 1951.

Origin (The) and Development of the Pharmaceutical Survey, April 1946 to June 1949, B. V. Christensen and G. L. Jenkins, **17,** 18, 1953.

Outline,
of Assignments for History of Pharmacy (Abstract), Charles O. Lee, **14,** 157, 1950.
for Hospital Dispensing, Louis C. Zopf, **14,** 111, 1950.

Oxford, A Mission to, H. W. Youngken, Jr., **15,** 28, 1951.

P

Panhellenic Association Membership (Professional), The Measuring Stick for, Marjorie Moburg Coghill, **16,** 350, 1952.

Parrish, Edward, A Forgotten Pharmaceutical Reformer, George Urdang, **14,** 223, 1950.

Part (The) of Doctors of Medicine in Pharmaceutical Education, George Urdang, **14,** 546, 1950.

Pathology, Pharmacology, and Advanced Courses in the Development of Pharmaceutic Service, John W. Nelson, **17,** 414, 1953.

Patrick Henry Costello Remington

Medal Presentation, Hugo H. Schaefer, **17,** 158, 1953.
Pedagogy, Increasing the Efficiency in—The Primary Objective of the Section on Pharmacy of the Conference of Teachers, Roy C. Darlington, **17,** 201, 1953.
Penicillin and Biblical Hyssop, David I. Macht, **17,** 457, 1953.
Penick, S. Barksdale, A Tribute to, W. H. P. Blandy, **17,** 729, 1953.
Personnel Problems, Report of the Committee on, J. Allen Reese, **14,** 654, 1950; E. A. Brecht, **16,** 68, 1952; **16,** 625, 1952.
Pesticides—Their Place in the Pharmacy Curriculum, Bernard E. Conley, **16,** 41, 1952.
Pharmaceutical Administration (See also Pharmacy Administration), Francis J. O'Brien, **15,** 39, 1951.
At Howard University, An Experiment with, Chauncey I. Cooper, **14,** 309, 1950.
The Problem of, Charles W. Bliven, **14,** 312, 1950.
Program of the 1950 Seminar in, **14,** 352, 1950.
Pharmaceutical Apprenticeship: The State Boards' Views and Regulations, J. Leon Lichtin, **20,** 200, 1956.
Pharmaceutical Assay and Quantitative Analysis, An Introduction to a Symposium on, C. E. Miller, **18,** 442, 1954.
Pharmaceutical Calculations,
Charles V. Netz, **14, 77,** 1950.
Proficiency in, James A. Kearns, **18,** 442, 1954.
Pharmaceutical Chemistry,
The Applicant for Graduate Study in, George P. Hager, **16,** 240, 1952.
The Education of Teachers of, Lloyd E. Blauch, **17,** 169, 1953.
(Organic),
The Importance of Heterocyclic Chemistry in the Teaching of, J. H. Burckhalter, **17,** 197, 1953.
The Importance of Heterocyclic Chemistry in the Teaching of, Taito O. Soine, **17,** 194, 1953.
and Pharmaceutical Technology, Scope and Objectives of, Albert M. Mattocks, **19,** 305, 1955.
(Synthetic) and Pharmacology, Should the Pharmacy Schools Abandon Research in, J. H. Burckhalter, **19,** 298, 1955.
The Program of the 1952 Teachers' Seminar on, **16,** 340, 1952.
Report on the Teachers' Seminar on, Tom D. Rowe, **16,** 694, 1952.
Research and Training in the Field of, Warren E. Weaver, **19,** 317, 1955.
in the Schools of Pharmacy of the United States, A Century of Research, E. V. Lynn, **17,** 183, 1953.
Pharmaceutical Curriculum,
Is Pharmacy no Longer to be a Major in, Kenneth L. Waters, **14,** 275, 1950.
The Report on the, Lloyd E. Blauch, **17,** 50, 1953.
Pharmaceutical Economics, The Section on of the American Pharmaceutical Association, Norman H. Francke, **17,** 334, 1953.
Pharmaceutical Education,
Antibiotics in, Robertson Pratt and Jean Dufrenoy, **14,** 162, 1950.
the Foundation of the Drug Industry in All Its Parts, and the Pharmaceutical Profession in All Its Phases: Let's Understand It and Use It, Robert L. Swain, **19,** 5, 1955.
of the 19th Century, Science in, Glenn Sonnedecker, **15,** 185, 1951.
The Part of Doctors of Medicine in, George Urdang, **14,** 546, 1950.
Predicting Success in, H. H. Remmers and A. J. Drucker, **15,** 149, 1951.
and Professional Societies,

Ewart A. Swinyard, **17,** 61, 1953.
Recent Progress in, Melvin W. Green, **17,** 541, 1953.
as it Relates to the Modern Practice of Pharmacy, Robert A. Hardt, **19,** 459, 1955.
Report of American Council on (See American Council on Pharmaceutical Education).
Report of the Commitee on World Congress for, George Urdang, **14,** 453, 1950; **16,** 76, 1952.
A Summary and Review of the Teachers' Seminar on, Lloyd E. Blauch, **18,** 592, 1954.
A Survey of the Status of History of Pharmacy in, Glenn Sonnedecker and George Urdang, **16,** 11, 1952.
in Utah—1 (1917-1927), Charles E. Parkin and George E. Osborne, **16,** 394, 1952.
A Vital Industrial Asset, Robert L. Swain, **18,** 382, 1954.

Pharmaceutico-Historical (The) Movement, George Urdang, **16,** 206, 1952.

Pharmaceutical Manufacturing (Abstract), Carl J. Klemme, **14,** 118, 1950.

Pharmaceuticals, Preparation of the Application of Physical Principles to, Frank M. Goyan, **14,** 85, 1950.

Pharmaceutical Preparations, An Experiment in Teaching, James E. McDavid, **18,** 416, 1954.

Pharmaceutical Research, Report of the Committee on, William J. Husa, **14,** 642, 1950; Ole Gisvold, **16,** 602, 1952; **17,** 617, 1953.

Pharmaceutical Survey,
Actions and Reactions, Edward C. Elliott, **14,** 400, 1950.
Its Contribution to the Improvement of the Teaching of Pharmacy, Joseph B. Sprowls, **14,** 578, 1950.
The Origin and Development of, April 1946 to June 1949, B. V. Christensen, and G. L. Jenkins, **17,** 18, 1953.

Pharmaceutical Technique (Abstract), Joseph B. Burt, **14,** 80, 1950.

Pharmaceutical Technology,
and Pharmaceutical Chemistry, Scope and Objectives of, Albert M. Mattocks, **19,** 305, 1955.
(Advanced), Preparations for Local and Systemic Use, Allen I. White, **14,** 92, 1950.

Pharmacists,
An Analysis of the Survey's Recommendations for In-Service Training for, William S. Apple, **19,** 327, 1955.
(Dispensing) Need for Training in Chemistry, Joseph B. Sprowls, **19,** 311, 1955.
The Education of, J. J. Eiler, **19,** 296, 1955.
in Government Service,
Report of the Committee on Status of, Charles H. Rogers, **16,** 91, 1952; **16,** 613, 1952; **17,** 602, 1953; **19,** 152, 1955; Noel E. Foss, **19,** 746, 1955; Robert L. VanHorne, **20,** 388, 1956.
Report of the Joint Committee on the Status of, Arthur H. Einbeck, **16,** 94, 1952; **16,** 606, 1952; **17,** 646, 1953; **19,** 145, 1955; **19,** 750, 1955.
(Hospital), Research and Graduate Instruction for, W. Arthur Purdum, **14,** 216, 1950.
in Industry, The Importance of Drug Assay Courses to, Frederick F. Johnson, **18,** 83, 1954.
(Practicing), A National Seminar Program for, Martin Barr, **17,** 252, 1953.
in Retail and Hospital Practice, The Importance of Drug Assay Courses to, W. Arthur Purdum, **18,** 81, 1954.
(Retail), The Importance of a Knowledge of Microbiology to, **19,** 74, 1955.

(Shortage of), The Drugstore Owners of the United States Can Solve the Problem of, Scott C. Rea, **18,** 460, 1954.

Pharmaco-Botany, From Empirism to Applied Science in, Frans Verdoorn, **15,** 338, 1951.

Pharmacogenetic (The) Influence of Natural Substances and Their Consideration in the Pharmaceutical Curriculum, Arnold C. Neva, **14,** 179, 1950.

Pharmacognosy,
- Contributions of the Teacher of to the Course in Dispensing, Mitchell J. Stoklosa, **15,** 435, 1951.
- Some of Its Important Aspects, Heber W. Youngken, Sr., **16,** 454, 1952; J. Hampton Hoch, **16,** 450, 1952.
- Methods of Stimulating Students for Graduate Study in, L. David Hiner, **18,** 494, 1954.
- Modern Trends in the Teaching of, Raymond W. Vanderwyk, **17,** 76, 1953.
- and Pharmacology, Correlation of, Ewart A. Swinyard, **18,** 480, 1954.
- and Pharmacology Teachers, What Emphasis Should They Place upon Prescription Specialties and Proprietaries?, Howard L. Reed, **16,** 60, 1952.
- Physiology, and Biochemistry in the Development of Pharmaceutical Service, Robertson Pratt, **17,** 410, 1953.
- A Proposed Laboratory Course in, Frank L. Mercer and Arthur G. Zupko, **17,** 81, 1953.
- Seminar,
  - (1953), An Evaluation of, H. W. Youngken, Jr., **18,** 201, 1954.
  - Summary and Evaluation, Lloyd E. Blauch, **17,** 560, 1953.
- and State Board Examination, L. David Hiner, **16,** 448, 1952.
- A Survey of, Raymond W. Vanderwyk, **18,** 472, 1954.
- Teachers, What Emphasis Should They Place upon Prescription Specialties and Proprietaries?, Heber W. Youngken, Jr., **16,** 62, 1952.
- Undergraduate Preparation for Graduate Studies in, Robertson Pratt, **16,** 229, 1952.

Pharmacology,
- vs. Chemistry, Walter H. Hartung, **14,** 603, 1950.
- Course (Undergraduate), The Minimum Prerequisites for, LeRoy D. Edwards, **16,** 235, 1952.
- The Importance of Human Physiology as a Prerequisite to the Proper Understanding of, Robert A. Walsh, **16,** 50, 1952.
- The Importance of Vertebrate Physiology to the Proper Understanding of, B. W. McCashland, **16,** 45, 1952.
- Laboratory, The Undergraduate Course, Ewart A. Swinyard, **16,** 375, 1952.
- The 1951 Teachers' Seminar on, Glenn L. Jenkins, **15,** 265, 1951.
- (Graduate), The Objectives and How to Achieve Them, E. Leong Way, **18,** 31, 1954.
- (Undergraduate), The Objectives and How to Achieve Them, James R. Weeks, **18,** 38, 1954.
- Pathology, and Advanced Courses in the Development of Pharmaceutical Service, John W. Nelson, **17,** 414, 1953.
- and Pharmacognosy, Correlation of, Ewart A. Swinyard, **18,** 480, 1954.
- and Pharmacognosy Teachers, What Emphasis Should They Place upon Prescription Specialties and Proprietaries?, Howard L. Reed, **16,** 60, 1952.
- Physiology, First Aid, and Public Health in the Five Year Program, Ewart A. Swinyard, **20,** 544, 1956.
- A Program for Stimulating Qualified Students into Graduate Work in, **19,** 90, 1955.
- Qualifications of Staff and Stu-

dents for Graduate Instruction in, Ewart A. Swinyard, **16,** 244, 1952.
and Related Subjects, Report of the Teachers' Seminar on, Glenn L. Jenkins, **15, 621,** 1951.
Some Aspects of the Teaching of, Morton J. Rodman, **17,** 241, 1953.
and Synthetic Pharmaceutical Chemistry, Should the Pharmacy Schools Abandon Research in?, J. H. Burckhalter, **19,** 298, 1955.
Teaching of in Colleges of Pharmacy 1952-53, Theodore O. King, **17,** 436, 1953.
The Use of Audio-visual Aids in the Teaching of, Ewart A. Swinyard, **17,** 444, 1953.

Pharmacy Administration,
A Biblography of Teaching Aids in, Harold Nelson and Woodrow R. Byrum, **19,** 346, 1955.
Business Publications of Value in Teaching, Paul C. Olsen, **16,** 256, 1952.
Can You Teach Without Periodic Retail Pharmacy Contacts?, Louis E. Kazin, **20,** 47, 1956.
The Conference of Teachers of, Chauncey I. Cooper, **16,** 433, 1952.
Courses, The Status of in Colleges of Pharmacy, Harold Nelson, **20,** 609, 1956.
The Development of a Graduate Program Leading to the Master's Degree in, S. B. Jeffries and I. Greenberg, **20,** 619, 1956.
Experiments in the Use of the Problem Type of Examination in, Paul C. Olsen, **14,** 278, 1950.
and Higher Education, Joseph H. Kern, **20,** 604, 1956.
(Hospital), The Integration of into the Pharmacy Business Management Curriculum, S. B. Jeffries and Isidore Greenberg, **17,** 275, 1953.
Program, Business Mortality in Retail Pharmacy and the, Isidore Greenberg, **20,** 211, 1956.
Research in, Haakon Bang, **18,** 44, 1954.
The Seminar in, B. V. Christensen, **14,** 693, 1950.
A Teacher-Training Program in, George B. Hook, Joseph D. McEvilla, Stephen Wilson, **16,** 456, 1952.
Teaching, The Use of Break-Even Graph Procedures in, Floyd A. Grolle, **20,** 628, 1956.
The Use of the Comprehensive Project Method in Teaching, S. B. Jeffries and Isidore Greenberg, **20,** 215, 1956.
The Use of Pharmaceutical Trade Journals in the Teaching of, Paul C. Olsen, **18,** 53, 1954.

Pharmacy,
and the American Association for the Advancement of Science, Glenn L. Jenkins, **19,** 361, 1955.
Analysis of a Pilot Study of Factors that Motivate Individuals to Elect the Health Sciences as a Career with Special Reference to, Robertson Pratt, **20,** 175, 1956.
(Animal Health), The Objectives and Content of the University Course in, Willard J. Hadley, **19,** 689, 1955.
The Application of Science in, George Urdang, **15,** 349, 1951.
and Audio-visual Materials, W. A. Wittich, **14,** 63, 1950.
Can It be Taught Adequately in Two Years, Francis J. O'Brien, **14,** 318, 1950.
(Clinical), The Washington Experiment, Heber W. Youngken, Jr., **17,** 64, 1953.
The Concept of the History of, George Urdang, **14,** 128, 1950.
Courses, The Effect of the Increased Prescribing of Proprietaries on the Teaching of, Joseph B. Sprowls, **14,** 191, 1950.
Discovers Public Relations, Wil-

liam L. Blockstein and Robert W. Sager, **20,** 208, 1956.
(Dispensing for Seniors), The Use of Photostatic Positive Prescriptions in Teaching, Edward Stempel, **16,** 470, 1952.
Dispensing, The Terminal Course in Pharmacy, Donald C. Brodie and Sidney Riegelman, **14,** 96, 1950.
An Evaluation of the 1955 Teachers' Seminar on, Tom D. Rowe, **19,** 678, 1955.
An Evaluation of the Teachers' Seminar on, James A. Kearns, **19,** 674, 1955.
Extension, Pharmacy as Seen Through the Telescope of, John L. Voigt, **19,** 322, 1955.
(General) in the Pharmaceutical Curriculum, Stephen Wilson, **14,** 582, 1950.
(German) in 1950, A Visit to, George Urdang, **14,** 571, 1950.
A Graduate Program for Training the Teachers of, **14,** 209, 1950.
Graduate Students in, Paul A. Jannke, **19,** 95, 1955.
History,
Some Teaching Aids in, Glenn Sonnedecker, **14,** 144, 1950.
Specialized Courses in, George Urdang, **14,** 140, 1950.
Hospital, Manufacturing for, Byrl E. Benton, **14,** 125, 1950.
in The Immediate Years Ahead, Hugo H. Schaefer, **15,** 388, 1951.
Industrial, Noel Foss, **14,** 205, 1950.
Information for High School Principals and Guidance Directors, M. L. Neuroth, **17,** 73, 1953.
Internship Must Be A Post-Graduate Program, Louis E. Kazin, **17,** 424, 1953.
Is It No Longer to Be a Major in the Pharmaceutical Curriculum?, Kenneth L. Waters, **14,** 275, 1950.
Laboratory Teaching (Effective), M. L. Neuroth, **16,** 441, 1952.
as A Member of the Healing Arts, Robert P. Fischelis, **16,** 428, 1952.
The Modern Practice of as it Relates to Pharmaceutical Education, Robert A. Hardt, **19,** 459, 1955.
Museum,
Address of the Dedication of, George Urdang, **15,** 129, 1951.
La Pharmacie Francais de Louis Dufilho, Dedication of, John F. McCloskey, **15,** 126, 1951.
A Noble Profession, M. L. Tainter, **16,** 5, 1952.
Outline of Assignments for the History of, Charles O. Lee, **14,** 157, 1950.
Part in Society, George Urdang, **17,** 27, 1953.
The Pharmaceutical Survey's Contribution to the Improvement of the Teaching of, Joseph B. Sprowls, **14,** 578, 1950.
Physical,
L. W. Busse, **14,** 355.
Including Instrumentation, Should They Be Required of all Graduate Students in Pharmacy?, Glenn L. Jenkins, **17,** 100, 1953.
The Nature and Need for this Course, Louis W. Busse, **15,** 66, 1951.
Place in the Family of Healing Professions and Public Health, Austin Smith, **17,** 46, 1953.
Place in Scientific Development, George D. Beal, **17,** 36, 1953.
Prescription,
Compounding Laboratory, Requirement of Reasonable Accuracies in, Leo A. Sciuchetti, Shirley F. Roeder, and George E. Crossen, **16,** 436, 1952.
Survey as an Aid in the Teaching of, David D. Stiles, **20,** 578, 1956.
Surveys and Their Significance

in Teaching, J. L. Voigt, **18,** 435, 1954.
(Principles of), Report of the Committee to Study the Course in, William R. Lloyd, **20,** 569, 1956.
Problems CAN Be Solved, A. N. Martin, **17,** 214, 1953.
Problems Facing Teachers of, Donald C. Brodie, **17,** 211, 1953.
as a Profession for Women, Louise Hunkins, **16,** 349, 1952.
Progress and Problems in Graduate Instruction in, Melvin W. Green, **19,** 446, 1955.
Recruitment, Richard A. Deno, **18,** 5, 1954.
(Retail)
Business Mortality in and the Pharmacy Administration Program, Isidore Greenberg, **20,** 211, 1956.
Can You Teach Pharmacy Administration Without Periodic Contacts With?, Louis E. Kazin, **20,** 47, 1956.
Use of Financial Controls in, S. B. Jeffries and Hilton M. Soba, **17,** 260, 1953.
(The) R.O.T.C. at the University of Minnesota, Charles H. Rogers, **14,** 169, 1950.
(The) School Teacher and Pharmacy Legislation, Joseph H. Goodness, **18,** 58, 1954.
as Seen Through the Pharmacy Extension Telescope, John L. Voigt, **19,** 322, 1955.
Seminar, 1949, the Objectives, Bernard V. Christensen, **14,** 5, 1950.
(Section on) of the Conference of Teachers, Increasing Efficiency of Pedagogy—The Primary Objective of, Roy C. Darlington, **17,** 201, 1953.
in South Korea, Charles O. Lee, **19,** 683, 1955.
Statistical Analysis as a Requirement for all Graduate Students in, Earl P. Guth, **17,** 430, 1953.
The Strength of, Hugh C. Muldoon, **18,** 11, 1954.
Students for, M. L. Neuroth, **19,** 357, 1955.
Subsection, Np, Elevated to Sectional Status in the American Association for the Advancement of Science, Glenn L. Jenkins, **18,** 742, 1954.
A Survey of Methods and Procedures for the Teaching of, **16,** 189, 1952.
A Survey of the Status of the History of in American Pharmaceutical Education, Glenn Sonnedecker and George Urdang, **16,** 11, 1952.
The Teaching,
of the History of, George Urdang, **14,** 136, 1950.
Practical Applications of Visual Aids in, Isidore Greenberg and Lyman D. Fonda, **18,** 412, 1954.
The Terminal Course in, Donald C. Brodie and Sidney Riegelman, **14,** 565, 1950.
Trained Ph.D. In Industry, G. F. Cartland, **20,** 29, 1956.
The Undergraduate Curriculum from Viewpoint of Graduate Instruction in, T. Higuchi, **16,** 239, 1952.
in University Education for the Health Sciences, George T. Harrell, **20,** 511, 1956.
is Worth Fighting For: Pharmaceutical Education as it Relates to the Modern Practice of Pharmacy, Robert A. Hardt, **19,** 459, 1955.
Pharmazeutische (The) Zeitung Observes George Urdang's Seventieth Birthday (translation), H. George Wolfe, **17,** 7, 1953.
Philadelphia College of Pharmacy and Science, A Proposed Course for Teaching the Use of the Library at, Elizabeth W. Johnson, **14,** 606, 1950.
Physiology,
(Human), Its Importance as a Prerequisite to the Proper Understanding of Pharmacology, Robert A. Walsh, **16,** 50, 1952.

(Introductory) in the Pharmacy Curriculum, Elbert Voss, **17,** 204, 1953.
Pharmacognosy, and Biochemistry in the Development of Pharmaceutic Service, Robertson Pratt, **17,** 410, 1953.
Pharmacology, First Aid, and Public Health in the Five Year Program, Ewart A. Swinyard, **20,** 544, 1956.
(Vertebrate),
Its Importance as a Prerequisite to the Proper Understanding of Pharmacology, B. W. McCashland, **16,** 45, 1952.
Its Importance to the Students of Pharmacy, Fredrick F. Yonkman, **16,** 54, 1952.

Physical Chemistry,
for Pharmacy Students, Frank M. Goyan, **16,** 31, 1952.
in the Undergraduate Curriculum, Level of, T. Higuchi, **20,** 549, 1956.

Physical Pharmacy,
L. W. Busse, **14,** 355, 1950.
Including Instrumentation, Should they be Required of all Graduate Students in Pharmacy?, Glenn L. Jenkins, **17,** 100, 1953.
The Nature of and Need for This, Louis W. Busse, **15,** 66, 1951.

Physical Principles, Application of, to the Preparation of Pharmaceuticals, Frank M. Goyan, **14,** 85, 1950.

Physical Sciences,
The Character of Research at the Doctorate Level in, Carl J. Christensen, **18,** 231, 1954.
and Mathematics, George L. Webster, **14,** 269, 1950.
and Mathematics in the Pharmaceutical Curriculum, Sequential Order of Courses in, G. L. Webster, **16,** 22, 1952.

Planning the Extended Program, Jack E. Orr, Hugo H. Schaefer, Warren E. Weaver, and John F. McCloskey, **19,** 652, 1955.

Plant Garden (Medicinal) of the Massachusetts College of Pharmacy, Heber W. Youngken, Sr., **15,** 234, 1951.

Plant Science Seminar,
A Brief History of, Edward P. Claus, **17,** 433, 1953.
A Course of Action for, Heber W. Youngken, Jr., **16,** 215, 1952.
The Twenty-Seventh Annual, Edward P. Claus, **14,** 691, 1950.
The Twenty-Eighth Annual, Edward P. Claus, **16,** 74, 1952.
The Twenty-Ninth Annual, J. Hampton Hoch, **17,** 159, 1953.
Thirtieth Annual, J. H. Hoch, **18,** 160, 1954.
Thirty-First Annual Meeting, J. Hampton Hoch, **19,** 176, 1955.

Points for Emphasis in the Teaching of Dispensing Pharmacy, Jean Brown, **18,** 101, 1954.

Postgraduate Program, Pharmacy Internship Must be as, Louis E. Kazin, **17,** 424, 1953.

Practical Applications of Visual Aids in Pharmacy Teaching, Isidore Greenberg and Lyman D. Fonda, **18,** 412, 1954.

Practical Pharmacy Section of the American Pharmaceutical Association, Alex Berman, **17,** 351, 1953.

Precision in Beginning Courses in Quantitative Analysis, Melvin W. Green, **15,** 401, 1951.

Predicting Success in Pharmaceutical Education, H. H. Remmers and A. J. Drucker, **15,** 149, 1951.

Predictive and Achievement Tests, Report of the Committee on, E. L. Cataline, **14,** 638, 1950; **16,** 72, 1952; E. A. Brecht, **17,** 659, 1953; **19,** 159, 1955; Louis W. Busse, **19,** 763, 1955; Joseph B. Sprowls, **20,** 381, 1956.

Predictive Tests,
The Use of (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Joseph B. Sprowls, **20,** 520, 1956.
Versus Success, O. K. Defoe and Frank L. Mercer, **19,** 340, 1955.

Preparations,
(Student), Benefits Attainable from the Quantitative Evaluation of, Edward A. Brecht, **16,** 460, 1952.
and Techniques of Flavoring, Coloring, and Masking Agents, Stephen Wilson and Sylvan M. Sax, **14,** 89, 1950.
Pre-Pharmacal Programs, Problems of Admission from (A Panel), Harold G. Hewitt, Moderator; Lloyd E. Blauch, Loyd E. Harris, William N. Atkinson, Joseph B. Sprowls, Panelists; R. A. Deno, Summary, **20,** 520, 1956.
Pre-Pharmacy (The) Requirement and the Graduate Program, George P. Hager, **17,** 219, 1953.
Pre-professional,
Education for Pharmacists (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Lloyd E. Blauch, **20,** 520, 1956.
Programs, Uniform, William S. Guthrie, **14,** 405, 1950.
Training, The Value of for Pharmacy, Adam S. Bennion, **18,** 173, 1954.
Prescription Specialties,
A Laboratory Approach to the Teaching of, M. G. Webber, **20,** 585, 1956.
and Proprietaries, What Emphasis Should Teachers of Pharmacognosy and Pharmacology Place upon?, Howard L. Reed, **16,** 60, 1952.
and Proprietaries, What Emphasis Should Teachers of Pharmacognosy Place upon?, Heber W. Youngken, Jr., **16,** 62, 1952.
Teaching in a Clinic Setup, W. E. McConnell, **20,** 590, 1956.
Prescription (The) Survey,
as an Aid in Teaching Pharmacy, David D. Stiles, **20,** 578, 1956.
as a Teaching Aid in Dispensing Pharmacy, L. E. Bingenheimer, Jr., **18,** 107, 1954.
The Value and Importance to Colleges of Pharmacy, Jack E. Orr and Ewart A. Swinyard, **16,** 251, 1952.
and Significance in Teaching Pharmacy, J. L. Voigt, **18,** 435, 1954.
in Teaching Senior Dispensing Pharmacy, The Use of Photostatic Positives in, Edward Stempel, **16,** 470, 1952.
Presentation, Methods of, M. O. Pella, **14,** 21, 1950.
President (AACP), Report (Address) of B. V. Christensen, **14,** 381, 1950; Hugo H. Schaefer, **15,** 483, 1951; J. Allen Reese, **16,** 533, 1952; Troy C. Daniels, **17,** 515, 1953; Joseph B. Burt, **19,** 439, 1955; Linwood F. Tice, **20,** 307, 1956.
President's (AACP) Page (Section), Bernard V. Christensen, **14,** 233, 1950; **14,** 327, 1950; Hugo H. Schaefer, **14,** 659, 1950; **15,** 77, 1951; **15,** 236, 1951; J. Allen Reese, **16,** 147, 1952; **16,** 300, 1952; T. C. Daniels, **17,** 124, 1953; **17,** 280, 1953; Edward C. Reif, **18,** 111, 1954; **18,** 310, 1954; **18,** 560, 1954; Joseph B. Burt, **19,** 179, 1955; Linwood F. Tice, **19,** 795, 1955; **20,** 106, 1956; Harold G. Hewitt, **20,** 637, 1956.
President-Elect (AACP), Address of, Hugo H. Schaefer, **14,** 389, 1950; J. Allen Reese, **15,** 493, 1951; Troy C. Daniels, **16,** 537, 1952; Edward C. Reif, **17,** 524, 1953; Joseph B. Burt, **18,** 566, 1954; Linwood F. Tice, **19,** 451, 1955; H. G. Hewitt, **20,** 320, 1956.
President Harold George Hewitt—The Man and His Life, Melvin R. Gibson, **20,** 153, 1956.
Principles of Pharmacy, Report of the Committee to Study the Course in, William R. Lloyd, **20,** 569, 1956.
Problem (The) of Pharmaceutical Administration, Charles W. Bliven, **14,** 312, 1950.
Problem (The) of Publication in

Science, James M. Dille, **17,** 70, 1953.

Problems,
of Admission from Pre-Pharmacal Programs (A Panel), Harold G. Hewitt, Moderator; Lloyd E. Blauch, Loyd E. Harris, William N. Atkinson, Joseph B. Sprowls, Panelists; R. A. Deno, Summary, **20,** 520, 1956.
Facing Teachers of Pharmacy, Donald C. Brodie, **17,** 211, 1953.
(Pharmacy's) Can Be Solved, A. N. Martin, **17,** 214, 1953.
and Plans, Report of the Chairman of the Committee on, Rufus A. Lyman, **14,** 456, 1950; **15,** 576, 1951; **16,** 592, 1952; **17,** 600, 1953; **19,** 120, 1955; **19,** 742, 1955; **20,** 383, 1956.

Professional,
Education, The University and, G. Lester Anderson, **15,** 500, 1951.
Morality, The Development of in Pharmacy Students, Allen I. White, **17,** 222, 1953.
Nomenclature (Abstract), Charles O. Lee, **14,** 82, 1950; **15,** 407, 1951.
(Intra-) Relations, An Experiment in, Joseph B. Burt, **19,** 179, 1955.
Relations,
For Better Public and, F. N. Hughes, **17,** 499, 1953.
Report of the Committee on, Perry A. Foote, **14,** 643, 1950; **16,** 88, 1952.
Societies and Pharmaceutical Education, Ewart A. Swinyard, **17,** 61, 1953.

Professions (The), Lloyd E. Blauch, **17,** 12, 1953.

Proficiency in Pharmaceutical Calculations, James A. Kearns, **18,** 442, 1954.

Program (A) for Stimulating Qualified Students into Graduate Work in Pharmacology, David H. Tedeschi and Ewart A. Swinyard, **19,** 90, 1955.

Progress and Problems in Graduate Instruction in Pharmacy, Melvin W. Green, **19,** 466, 1955.

Project (Comprehensive) Method in Teaching Pharmacy Administration, S. B. Jeffries and Isidore Greenberg, **20,** 215, 1956.

Proposal (A) to Change the Bylaws, Hugo H. Schaefer, **14,** 256, 1950.

Proposed (A) Course for Teaching the Use of the Library at the Philadelphia College of Pharmacy and Science, Elizabeth W. Johnson, **14,** 606, 1950.

Proposed (A) Laboratory Course in Pharmacognosy, Frank L. Mercer and Arthur G. Zupko, **17,** 81, 1953.

Proprietaries,
The Effect of the Increased Prescribing of on the Teaching of Pharmacy Courses, Joseph B. Sprowls, **14,** 191, 1950.
(New and Non-Officials), Joseph B. Sprowls, **14,** 108, 1950.
and Prescription Specialties, What Emphasis Should Teachers of Pharmacognosy and Pharmacology Place upon?, Howard L. Reed, **16,** 60, 1952.
and Prescription Specialties, What Emphasis Should Teachers of Pharmacognosy Place Upon?, Heber W. Youngken, Jr., **16,** 62, 1952.

Psychological (Some) Principles of Learning, M. O. Pella, **14,** 6, 1950.

Public Health,
Bacteriology, Microbiology, in the Development of Pharmaceutic Service, J. T. Tripp, **17,** 406, 1953.
and Healing Professions, Pharmacy's Place in the Family of, Austin Smith, **17,** 46, 1953.
Pharmacology, Physiology, and First Aid in the Five Year Program, Ewart A. Swinyard, **20,** 544, 1956.

Public and Professional Relations,

For Better, F. N. Hughes, **17,** 499, 1953.
Public Relations,
Committee, Report of the Committee on, William L. Blockstein, **18,** 631, 1954.
in Pharmaceutical Education, Report of the Joint Committee of the AACP and ACPRA on, William L. Blockstein, **19,** 769, 1955; **20,** 400, 1956.
Pharmacy Discovers, William L. Blockstein and Robert W. Sager, **20,** 208, 1956.
Publication in Science, The Problem of, James M. Dille, **17,** 70, 1953.
Publications (Business), The Value of in Teaching Pharmacy Administration, Paul C. Olsen, **16,** 256, 1952.
Purchasing Agent (General), Does the Procurement Agent for Medical Supplies Differ from the?, George B. Hook, **17,** 419, 1953.
Purdue, **Twenty-five Years of Pharmacy Graduate Work at,** Donald W. Harding and Glenn L. Jenkins, **15,** 231, 1951.

Q

Quality of Research Papers from Colleges of Pharmacy (The), Justin L. Powers, **20,** 24, 1956.
Quantitative,
Analysis,
and Drug Assay in the Pharmacy Curriculum, General Objectives, Arthur E. James, **18,** 74, 1954.
and Pharmaceutical Assay, An Introduction to a Symposium on the Fate of, C. E. Miller, **18,** 65, 1954.
Precision in Beginning Courses, Melvin W. Green, **15,** 401, 1951.
Chemistry and Drug Assay Courses, In Revising Curricula What Should be Done About?, Lee F. Worrell, **18,** 66, 1954.

R

Radioisotope Techniques, The Teaching of a Course in, C. E. Miller, **20,** 553, 1956.
Rafinesque, C. S., A Challenge to the Historian of Pharmacy, Alex Berman, **16,** 409, 1952.
Recent Developments in Biological Standardization, J. Harold Burn, **17,** 54, 1953.
Recent Progress in Pharmaceutical Education, Melvin W. Green, **17,** 541, 1953.
Recent Steps Toward Coordination and Improvement of Accrediting Procedures, Statement Relative to Pharmaceutical Education, Edward C. Elliott, **14,** 158, 1950.
Recruitment,
Aids, Report of the Committee on, R. A. Deno, **20,** 385, 1956.
for Pharmacy, Richard A. Deno, **18,** 5, 1954.
Reese, J. Allen, Biography, Rufus A. Lyman, **15,** 481, 1951.
Reif, Edward C., Biography, Rufus A. Lyman, **17,** 513, 1953.
Related Courses To Support The Chemistry Program, Jack E. Orr, **20,** 36, 1956.
Relationship (The) Between Measurement and Calculations Used in Pharmacy, J. Leon Lichtin, **17,** 254, 1953.
Relationships of Boards and Colleges, Report of the Committee on, Hugo H. Schaefer, **14,** 462, 1950; Tom D. Rowe, **16,** 618, 1952; **17,** 592, 1953; **18,** 640, 1954; Francis J. O'Brien, **19,** 740, 1955; **20,** 364, 1956.
Remington Medal Citation,
to Ernest Little, Curt P. Wimmer, **14,** 255, 1950.

Edwin Leigh Newcomb, Curt P. Wimmer, **15,** 111, 1951.
Hugo H. Schaefer, Charles W. Ballard, **16,** 347, 1952.
Patrick Henry Costello, **17,** 158, 1953.
Hugh C. Muldoon, **18,** 153, 1954.
Roy B. Cook, Hugo H. Schaefer, **19,** 831, 1955.

Remington Medal Presentation Address for 1952, Hugo H. Schaefer, **16,** 198, 1952.

Reports (See titles of individuals, committees, or organizations).

Requirement of Reasonable Accuracies in Prescription Compounding Laboratory, Leo A. Sciuchetti, Shirley F. Roeder, and George E. Crossen, **16,** 436, 1952.

Rescue (The) of the United States Pharmacopœia by Organized American Pharmacy in the Eighteen Seventies, George Urdang,**15,** 172, 1951.

Research,
The Character of at the Doctorate Level in the Physical Sciences, Carl J. Christensen, **18,** 231, 1954.
at the Doctoral Level,
in the History of Pharmacy, The Character of, Glenn Sonnedecker, **18,** 239, 1954.
in the Biological Sciences, Character of, Ewart A. Swinyard, **18,** 260, 1954.
and Graduate Instruction for Hospital Pharmacists, W. Arthur Purdum, **14,** 216, 1950.
(The) Grant and Fellowship Program of the National Institutes of Health, Kenneth M. Endicott, **15,** 520, 1951.
Indoctrination and Graduate Orientation, A Course in, Alfred N. Martin and Joseph B. Sprowls, **16,** 247, 1952.
Papers from Colleges of Pharmacy, Justin L. Powers, **20,** 24, 1956.
in Pharmaceutical Chemistry, A Century of in the Schools of Pharmacy of the United States, E. V. Lynn, **17,** 183, 1953.
in Pharmacy Administration, Haakon Bang, **18,** 44, 1954.
Problems and Selection of Courses, The Advising of Graduate Students with Respect to, L. D. Edwards, **19,** 29, 1955.
Projects (Student), The Development of a Program of at the Brooklyn College of Pharmacy, Isidore Greenberg, **15,** 438, 1951.
(Pharmaceutical), Report of the Committee on, William J. Husa, **14,** 642, 1950; **16,** 87, 1952; Ole Gisvold, **16,** 602, 1952.
(Scientific) from the Viewpoint of the Afterdinner Speaker, Ernest Little, **17,** 567, 1953.
in Synthetic Pharmaceutical Chemistry and Pharmacology, Should the Pharmacy School Abandon?, J. H. Burckhalter, **19,** 298, 1955.
and Training in the Field of Pharmaceutical Chemistry, Warren E. Weaver, **19,** 317, 1955.
and Travel (Faculty), Budget Allotments for, David W. O'Day, **18,** 469, 1954.

Resolutions, Report of the Committee on, Noel E. Foss, **14,** 471, 1950; Thomas D. Rowe, **15,** 580, 1951; Louis C. Zopf, **16,** 670, 1952; R. A. Deno, **17,** 690, 1953; **18,** 675, 1954; **19,** 555, 1955; L. David Hiner, **20,** 367, 1956.

Resume (The), The International Importance of George Urdang for the History of Pharmacy, Georg Edmund Dann, **17,** 8, 1953.

Resume (A) of the Papers Presented on the Program of the Section on Medical Sciences (Subsection on Pharmacy Np) of the American Association for the Advancement of Science at the 1950 Cleveland Meeting, Glenn L. Jenkins, **15,** 131, 1951.

Retail Pharmacy (See Pharmacy, Retail).

In Revising Curricula What Should

Be Done About Quantitative Chemistry and Drug Assay Courses?, Lee F. Worrell, **18**, 66, 1954.

Rho (The) Chi Society, Roy A. Bowers and David L. Cowen, **19**, 244, 1955.

Role (The) of the Biologic Sciences in the Development of Pharmaceutic Service Section I. General Biology, Anatomy, Histology, Richard A. Deno, **17**, 401, 1953.

Role (The) of the Pharmacist in Civil Defense, William W. Stiles, **17**, 552, 1953.

Rose, Ira Winfield, Memorial to, Alice Noble, **16**, 336, 1952.

ROTC (Pharmacy) at the University of Minnesota, Charles H. Rogers, **14**, 169, 1950.

Rudd, Wortley Fuller, Memorial to, R. Blackwell Smith, Jr., **14**, 684, 1950.

S

Saalbach, Louis, Memorial to, William L. Blockstein, **20**, 118, 1956.

Sales,
- and Cost Percentages Analysis Chart, J. H. Goodness, **16**, 262, 1952.
- Promotion, Group Dynamics Teaches, Robert V. Evanson, **20**, 599, 1956.

Santelli, Salvatore, Memorial to, Berl S. Alstodt, **20**, 250, 1956.

Schaefer, Hugo Herman,
- A Biography of, Rufus A. Lyman, **14**, 377, 1950.
- The Remington Medal Presentation, Charles W. Ballard, **16**, 347, 1952.

Scholarship, Methods and Aims, George P. Rice, **15**, 17, 1951.

Schools of Pharmacy, The Conference of—A Period of Frustration, Glenn Sonnedecker, **18**, 389, 1954.

Science,
- in American Pharmaceutical Education of the 19th Century, Glenn Sonnedecker, **15**, 185, 1951.
- Application of
  - to Medicine, George Rosen, **15**, 290, 1951.
  - in Pharmacy, George Urdang, **15**, 349, 1951.
- (Applied), in Chemical Industry, Henry M. Leicester, **15**, 308, 1951.

Scientific,
- Development, Pharmacy's Place in, George D. Beal, **17**, 36, 1953.
- Research from the Viewpoint of the Afterdinner Speaker, Ernest Little, **17**, 567, 1953.
- (The) Section of the American Pharmaceutical Association, George B. Griffenhagen, **17**, 342, 1953.

Scope,
- (The) of the Course in Microbiology for Pharmacy Students, S. E. Martsell, **19**, 69, 1955.
- and Objectives of Pharmaceutical Chemistry and Pharmaceutical Technology, Albert M. Mattocks, **19**, 305, 1955.

Seasonal Fluctuations in Retail Drug Store Sales, Richard J. Hampton, **18**, 427, 1954.

Secretary,
- (Permanent), Interim Report of Sub-Committee on Office of, G. L. Webster, **16**, 285, 1952.
- Report of the Committee on Office of Permanent, A. H. Uhl, **14**, 651, 1950.

Secretary-Treasurer (AACP), Report of, Louis C. Zopf, **14**, 429, 1950; **15**, 549, 1951; **16**, 563, 1952; **17**, 576, 1953; R. A. Deno, **18**, 607, 1954; **19**, 506, 1955; **20**, 329, 1956.

Section,
- (The) on Education and Legis-

lation of the American Pharmaceutical Association, Glenn Sonnedecker, **17**, 362, 1953.
(The) on Pharmaceutical Economics of the American Pharmaceutical Association, Norman H. Franke, **17**, 334, 1953.
(The) on Practical Pharmacy of the American Pharmaceutical Association, Alex Berman, **17**, 351, 1953.
(The) of the American Pharmaceutical Association, George Urdang, **17**, 331, 1953.

Seminar,
The General, Donald C. Brodie, **17**, 106, 1953.
Lilly Industrial, Linwood F. Tice, **19**, 681, 1955.
(A National) Program for the Practicing Pharmacist, Martin Barr, **17**, 252, 1953.
(1953) on Pharmacognosy, An Evaluation of, H. W. Youngken, Jr., **18**, 201, 1954.
on Pharmacognosy, Summary and Evaluation, Lloyd E. Blauch, **17**, 560, 1953.
(The) in Pharmacy Administration, B. V. Christensen, **14**, 693, 1950.
(Teachers'),
An Evaluation of the Sixth Annual, Melvin W. Green, **18**, 590, 1954.
An Evaluation of the Seventh Annual, James A. Kearns, **19**, 674, 1955.
on Pharmaceutical Chemistry, Report on, Tom D. Rowe, **16**, 694, 1952.
on Pharmaceutical Chemistry, A Summary and Review, Lloyd E. Blauch, **18**, 592, 1954.
on Pharmacy, An Evaluation of the 1955, Tom D. Rowe, **19**, 678, 1955.
Program for the 1952 in Pharmaceutical Chemistry, **16**, 340, 1952.
Report of the on Pharmacology and Related Subjects, Glenn L. Jenkins, **15**, 621, 1951.
A Symposium and, Mary Langevin Anderson, **18**, 92, 1954.

Seminars (Teachers') American Association of Colleges of Pharmacy, Forum on, R. A Deno, **19**, 98, 1955.

Sequence (A New) in the Pharmacy Curriculum, J. B. Sprowls and A. N. Martin, **17**, 230, 1953.

Sequential Order of Courses in Physical Science and Mathematics in the Pharmaceutical Curriculum, G. L. Webster, **16**, 22, 1952.

Seventh (The) Annual Teachers' Seminar—An Evaluation, James A. Kearns, **19**, 674, 1955.

Seventy-fifth (The) Anniversary of the College of Pharmacy of the University of Michigan, Thomas D. Rowe, **16**, 177, 1952.

Should a Course in Statistical Analysis be Required of All Graduate Students?, Charles W. Bauer, **17**, 91, 1953.

Should the Pharmacy Schools Abandon Research in Synthetic Pharmaceutical Chemistry and Pharmacology?, J. H. Burckhalter, **19**, 298, 1955.

Should Physical Chemistry Including Instrumentation be Required of All Graduate Students in Pharmacy?, Glenn L. Jenkins, **17**, 100, 1953.

Significance (The) of Graduate Study and Graduate Degrees, Walter C. Russell, **14**, 533, 1950.

Significance (The) of Honor Societies, George D. Beal, **15**, 35, 1951.

Six-Year (The) Program,
in Pharmacy and Graduate Instruction on Leading to the Ph.D. Degree, Troy C. Daniels, **14**, 557, 1950.
a Progress Report, Edward S. Brady, **17**, 448, 1953.

Sixth (The) Annual Teachers' Seminar—An Evaluation, Melvin W. Green, **18**, 590, 1954.

Societies (Professional) and Pharmaceutical Education, Ewart A. Swinyard, **17,** 61, 1953.

Solutions, Dispensing of, Karl J. Goldner, **14,** 101, 1950.

Some Aspects of the Teaching of Pharmacology, Morton J. Rodman, **17,** 241, 1953.

Some Fundamental Psychological Principles of Learning, M. O. Pella, **14,** 6, 1950.

Some Important "Musts" For the Five Year Curriculum, Tom D. Rowe, **20,** 42, 1956.

Some Suggestions on Teaching Fundamental Mathematical Concepts, John R. Mayor, **14,** 35, 1950.

Some Teaching Aids in History of Pharmacy (Summary of a Discussion), Glenn Sonnedecker, **14,** 144, 1950.

Special (A) Cooling Device for the Preparation of Molded Suppositories in the Laboratory, Mitchell J. Stoklosa, **18,** 210, 1954.

Special Techniques and Agents in the Manufacture of Dosage Forms (Abstract), H. Geo. DeKay, **14,** 95, 1950.

Specialized Courses in History of Pharmacy, George Urdang, **14,** 140, 1950.

Staff Changes, 20, 122, 1956; **20,** 254, 1956; **20,** 464, 1956; **20,** 653, 1956.

Standardization (Biological), Recent Developments in, J. Harold Burn, **17,** 54, 1953.

State Board,
- Examinations, Pharmacognosy and, L. David Hiner, **16,** 448, 1952.
- Views and Regulations on Pharmaceutical Apprenticeship, J. Leon Lichtin, **20,** 200, 1956.

Statistical Analysis,
- as a Requirement for All Graduate Students in Pharmacy, Earl P. Guth, **17,** 430, 1953.
- Should a Course in be Required for All Graduate Students?, Charles W. Bauer, **17,** 91, 1953.

Status (The) of Pharmacy Administration Courses in Colleges of Pharmacy, Harold Nelson, **20,** 609, 1956.

Stimulating Compounding Accuracy in Dispensing Pharmacy Students, L. E. Bingenheimer, Jr., **17,** 236, 1953.

Strengths (The) of Pharmacy, Hugh C. Muldoon, **18,** 11, 1954.

Stroup, Freeman Preston, Memorial to, Ivor Griffith, **16,** 723, 1952.

Student,
- (Pharmacy), Ethics for, K. L. Kaufman, **17,** 225, 1953.
- (A) Experiment on Peripheral Blood Flow, Raymond P. Ahlquist, **15,** 218, 1951.

Students,
- for Pharmacy, M. L. Neuroth, **19,** 357, 1955.
- (Pharmacy), The Development of Professional Morality in, Allen I. White, **17,** 222, 1953.

Study (A) of the Teaching of Pharmacology in Colleges of Pharmacy in 1952-53. Theodore O. King, **17,** 436, 1953.

Sturmer, Julius W., Memorial to, Ivor Griffith, **16,** 722, 1952.

Suggested Methods for Achievement Testing, C. W. Harris, **14,** 69, 1950.

Summaries of the Reports of the Meetings of the Districts, Tom D. Rowe, **18,** 640, 1954.

Summary
- and Evaluation of the Seminar on Pharmacognosy, Lloyd E. Blauch, **17,** 560, 1953.
- of the Executive Session 1954 Annual Meeting, American Association of Colleges of Pharmacy, R. A. Deno, **18,** 673, 1954.
- of Fifty-seventh Annual Meeting, R. A. Deno, **20,** 437, 1956.
- (A) and Review of the Teachers' Seminar on Pharmaceutical Education, Lloyd E. Blauch, **18,** 592, 1954.

Supplies (Medical), Does the Procurement Agent for Differ from

the General Purchasing Agent?, 17, 419, 1953.

Suppositories, A Special Cooling Device for in the Laboratory, Mitchell J. Stoklosa, **18,** 210, 1954.

Survey,
(A) of Methods and Procedures for the Teaching of Pharmacy, Roy C. Darlington and Virgil A Clift, **16,** 189, 1952.
(Pharmaceutical), (See Pharmaceutical Survey).
(A) of Pharmacognosy, Raymond W. Vanderwyk, **18,** 472, 1954.
(A) of the Status of History of Pharmacy in American Pharmaceutical Education, Glenn Sonnedecker and George Urdang, **16,** 11, 1952.

Suspensions,
and Colloid Emulsions, T. Higuchi, **15,** 418, 1951.
and Emulsions, Colloid, T. Higuchi, **14,** 88, 1950.

Symposium,
(A) on the Fate of Quantitative Analysis and Pharmaceutical Assay, An Introduction, C. E. Miller, **18,** 65, 1954.
(A) and Seminar, Mary Langevin Anderson, **18,** 92, 1954.

Systemic and Local Preparations, Advanced Technology of, Allen I. White, **14,** 92, 1950.

T

Teacher,
The Good, Milton O. Pella, **14,** 419, 1950.
of Pharmacognosy, Contributions of in the Course in Dispensing, Mitchell J. Stoklosa, **15,** 435, 1951.
of Pharmacy Jurisprudence and a Teacher of Pharmacy Dispensing, Correlation Between, Esther Jane Wood Hall, **18,** 49, 1954.
(Pharmacy School) and Pharmacy Legislation, Joseph H. Goodness, **18,** 58, 1954.
Training,
for Colleges of Pharmacy, R. S. McCutcheoen, **20,** 195, 1956.
(A) Program in Pharmacy Administration, George B. Hook, Joseph D. McEvilla, and Stephen Wilson, **16,** 456, 1952.

Teachers,
in Colleges of Pharmacy, The Need for Education Training for, Joseph L. Kanig and Leonard T. Chavkin, **16,** 369, 1952.
Conference, Officers of, **14,** 371, 1950.
Conferences, Report of the Committee on, J. B. Sprowls, **16,** 78, 1952.
of Pharmaceutical Chemistry, The Education of, Lloyd E. Blauch, **17,** 169, 1953.
of Pharmacy,
A Graduate Program for Training of, L. Wait Rising, **14,** 209, 1950.
Problems Facing, Donald C. Brodie, **17,** 211, 1953.
Seminar,
An Evaluation of the Sixth Annual, Melvin W. Green, **18,** 590, 1954.
An Evaluation of the Seventh Annual, James A. Kearns, **19,** 674, 1955.
on Pharmaceutical Chemistry, Report on, Tom D. Rowe, **16,** 694, 1952.
on Pharmaceutical Education, A Summary and Review, Lloyd E. Blauch, **18,** 592, 1954.
on Pharmacy, An Evaluation of the 1955, Tom D. Rowe, **19,** 678, 1955.
Seminars American Association of Colleges of Pharmacy, Forum on, R. A. Deno, **19,** 98, 1955.

Teaching,
Aids
(Some) in History of Pharmacy, Glenn Sonnedecker, **14,** 144, 1950.
in Pharmacy Administration, A Bibliography of, Harold Nelson and Woodrow R. Byrum, **19,** 346, 1955.
The Prescription Survey as in Dispensing Pharmacy, L. E. Bingenheimer, Jr., **18,** 107, 1954.
(The) of a Course in Radioisotope Techniques, C. E. Miller, **20,** 553, 1956.
Drugstore Management,
Difficulties in, Charles C. Rabe, **18,** 46, 1954.
in Utah, An Experiment in, Ewart A. Swinyard and L. David Hiner, **15,** 22, 1951.
Fundamental Mathematical Concepts, Some Suggestions on Teaching, John R. Mayor, **14,** 35, 1950.
History of Pharmacy, George Urdang, **14,** 136, 1950.
Increasing the Efficiency of—The Primary Objective of the Section on Pharmacy of the Conference of Teachers, Roy C. Darlington, **17,** 201, 1953.
Methods (Practical), Encouraging the Dispensing of Buffered and Isotonic Eye Prescriptions by, Jean Brown, **20,** 222, 1956.
Microbiology, Objectives in, Max S. Marshall, **19,** 53, 1955.
of Organic Pharmaceutical Chemistry,
The Importance of Heterocyclic Chemistry in, Taito O. Soine, **17,** 194, 1953.
The Importance of Heterocyclic Chemistry in, J. H. Burckhalter, **17,** 197, 1953.
Pharmaceutical Preparations, An Experiment in, James E. McDavid, **18,** 416, 1954.
(Pharmaceutical), The Use of Audio-visual Aids in, S. B. Jeffries, **16,** 271, 1952.
of Pharmacognosy, Modern Trends in, Raymond W. Vanderwyk, **17,** 76, 1953.
of Pharmacology,
in Colleges of Pharmacy in 1952-53, A Study of, Theodore O. King, **17,** 436, 1953.
Some Aspects of, Morton J. Rodman, **17,** 241, 1953.
of Pharmacy,
The Pharmaceutical Survey's Contribution to, Joseph B. Sprowls, **14,** 578, 1950.
Practical Applications of Visual Aids in, Isidore Greenberg and Lyman D. Fonda, **18,** 412, 1954.
The Prescription Survey as an Aid in, David D. Stiles, **20,** 578, 1956.
Prescription Surveys and Their Significance in, J. L. Voigt, **18,** 435, 1954.
A Survey of Methods and Procedures for, Roy C. Darlington and Virgil A. Clift, **16,** 189, 1952.
Administration, The Use of Pharmaceutical Trade Journals in, Paul C. Olsen, **18,** 53, 1954.
Professional Ethics, K. L. Kaufman, **18,** 255, 1954.
Prescription Specialties,
A Laboratory Approach to, M. G. Webber, **20,** 585, 1956.
in a Clinic Setup, W. E. McConnell, **20,** 590, 1956.
Technique,
Pharmaceutical, Joseph B. Burt, **14,** 80, 1950.
and Preparations of Flavoring, Coloring, and Masking Agents, Stephen Wilson and Sylvan M. Sax, **14,** 89, 1950.
Techniques,
(Special) and Agents in the Manufacture of Dosage Forms, H. Geo. DeKay, **14,** 95, 1950.
and Educational Principles, M. O. Pella, **14,** 52, 1950.
Technology,
(Pharmaceutical) and Pharma-

ceutical Chemistry, Scope and Objectives of, Albert M. Mattocks, **19,** 305, 1955.
(Advanced Pharmaceutical), Preparations for Local and Systemic Use, Allen I. White, **14,** 92, 1950.
Terminal (The) Course in Pharmacy,
Donald C. Brodie and Sidney Riegelman, **14,** 565, 1950.
Dispensing Pharmacy (Abstract), Sidney Riegelman and Donald C. Brodie, **14,** 96, 1950.
Testing, Achievement, Suggested Methods for, C. W. Harris, **14,** 69, 1950.
Tests,
(Predictive and Achievement), Report of the Committee on, E. L. Cataline, **14,** 638, 1950.
(Predictive),
The Use of (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Joseph B. Sprowls, **20,** 520, 1956.
Versus Success, O. K. Defoe and Frank L. Mercer, **19,** 340, 1955.
Texas (University of), Facilities of the College of Pharmacy of, Henry M. Burlage and William R. Lloyd, **20,** 172, 1956.
Thirtieth Annual Plant Science Seminar, J. H. Hoch, **18,** 160, 1954.
Tice, Linwood F., A Biography, Rufus A. Lyman, **19,** 437, 1955.
Time of Annual Meeting, A Perennial Problem, Joseph B. Burt, **20,** 538, 1956.
Tools for Pharmacy College Librarianship, M. Margaret Kehl, **19,** 15, 1955.
Toxicological Education in American Pharmacy Schools, R. S. McCutcheon, **19,** 49, 1955.
Toxicology Education in the Accredited Colleges of Pharmacy of the United States, Charles H. Hine and Brenton Rice, **15,** 41, 1951.
Training and Internship in Hospital Pharmacy (A Symposium), Louis C. Zopf, W. Arthur Purdum, Tom D. Rowe, **20,** 634, 1956.
Travel and Research (Faculty), Budget Allotments for, David W. O'Day, **18,** 469, 1954.
Tribute (A) to S. Barksdale Penick, W. H. P. Blandy, **17,** 729, 1953.
Troy Cook Daniels Biography, Rufus A. Lyman, **16,** 530, 1950.
Twenty-eighth (The) Annual Plant Science Seminar, Edward P. Claus, **16,** 174, 1952.
Twenty-five Years of Pharmacy Graduate Work at Purdue, Glenn L. Jenkins and Donald W. Harding, **15,** 231, 1951.
Twenty-ninth (The) Annual Plant Science Seminar, J. Hampton Hoch, **17,** 159, 1953.
Twenty-seventh (The) Annual Plant Science Seminar, Edward P. Claus, **14,** 691, 1950.
Two-Three Program at Ohio State University, Experience with the (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Loyd E. Harris, **20,** 520, 1956.

U

Undergraduate,
Chemical Training of the Pharmacist Entering the Pharmaceutical Industry, Ernest L. Beals, **16,** 419, 1952.
(An) Course in Manufacturing Pharmacy, Dwight L. Deardorff, **18,** 422, 1954.
(The) Course in Pharmacology —Laboratory, Ewart A. Swinyard, **16,** 375, 1952.
(The) Curriculum from the Viewpoint of Graduate Instruction in Pharmacy, T. Higuchi, **16,** 239, 1952.
Pharmacology, The Objectives and How to Achieve Them, James R. Weeks, **18,** 38, 1954.

Preparation for Graduate Studies in Pharmacognosy, Robertson Pratt, **16,** 229, 1952.

Uniform Pre-Professional Programs, William S. Guthrie, **14,** 405, 1950.

University,
of Arizona College of Pharmacy, Willis R. Brewer, **18,** 223, 1954.
of Arkansas School of Pharmacy, Roy H. Jones, **17,** 248, 1953.
of Illinois College of Pharmacy, E. R. Serles, **20,** 158, 1956.
and Professional Education, G. Lester Anderson, **15,** 500, 1951.

Urdang, George,
The Pharmazeutische Zeitung Observes Seventieth Birthday of, H. George Wolfe, **17,** 7, 1953.
The Resume. The International Importance of George Urdang for the History of Pharmacy, Georg Edmund Dann, **17,** 8, 1953.

Use,
of Audio-visual Aids,
in Pharmaceutical Training, S. B. Jeffries, **16,** 271, 1952.
in Teaching Pharmacology, Ewart A. Swinyard, **17,** 444, 1953.
of Break-Even Graph Procedures in Pharmacy Administration Teaching, Floyd A. Grolle, **20,** 628, 1956.
of the Comprehensive Project Method in Teaching Pharmacy Administration, S. B. Jeffries and Isidore Greenberg, **20,** 215, 1956.
of Financial Controls in the Retail Pharmacy, S. B. Jeffries and Hilton M. Soba, **17,** 260, 1953.
of Pharmaceutical Trade Journals in the Teaching of Pharmacy Administration, Paul C. Olsen, **18,** 53, 1954.
of Photostatic Positive Prescriptions in Teaching Senior Dispensing Pharmacy, Edward Stempel, **16,** 470, 1952.
of Predictive Tests (Part of a Panel: Problems of Admission from Pre-Pharmacal Programs), Joseph B. Sprowls, **20,** 520, 1956.

USP,
XIV Bioassays, Mathematics of, James C. Munch, Samuel Kuna, Edward V. Dietrick, **15,** 55, 1951.
The Rescue of by Organized American Pharmacy in the Eighteen Seventies, George Urdang, **15,** 172, 1951.

Utah,
(Early) Materia Medica: Priddy Meeks, Robert E. Reese and George E. Osborne, **18,** 401, 1954.
Pharmaceutical Education in (1), Charles E. Parkin and George E. Osborne, **16,** 394, 1952.

V

Value,
and Importance of Prescription Surveys to Colleges of Pharmacy, Jack E. Orr and Ewart A. Swinyard, **16,** 251, 1952.
of Pre-Professional Training for Pharmacy, Adam S. Bennion, **18,** 173, 1954.

Vertebrate Physiology,
Its Importance as a Pre-Requisite to the Proper Understanding of Pharmacology, B. W. Cashland, **16,** 45, 1952.
Its Importance to Students of Pharmacy, Fredrick F. Yonkman, **16,** 54, 1952.

Virginia Colleges, Honor System in, M. L. Neuroth, **19,** 84, 1955.

Visit (A) to German Pharmacy in 1950, An Impressionistic Report, George Urdang, **14,** 571, 1950.

Visual,
Aid in the Teaching of Dispensing, A. E. Slesser and Earl P. Slone, **14,** 321, 1950.
Aids in Pharmacy Teaching,

Practical Applications of, Isidore Greenberg and Lyman D. Fonda, **18**, 412, 1954.

Instruction, Industrial Literature in, C. W. Ballard, **14**, 188, 1950.

W

Wakeman, Nellie A., Memorial to, Arthur H. Uhl, **16**, 491, 1952.

Washington (The) Experiment—Clinical Pharmacy, H. W. Youngken, Jr., **17**, 64, 1953.

Welcoming Address 10th Anniversary Conference American Institute of the History of Pharmacy, Arthur H. Uhl, **15**, 287, 1951.

What Can We Expect of the Five Year Program?, Raymond E. Hopponen, **17**, 217, 1953.

What Does It Really Mean to be Educated?, Daniel L. Marsh, **18**, 574, 1954.

What Emphasis Should Teachers of Pharmacognosy and Pharmacology Place Upon Prescription Specialties and Proprietaries?, Howard L. Reed, **16**, 60, 1952.

What Emphasis Should Teachers of Pharmacognosy Place Upon Prescription Specialties and Proprietaries?, Heber W. Youngken, Jr., **16**, 62, 1952.

When? A Personal Measure of Him Who Was And Is, Edward C. Elliott, **20**, 8, 1956.

Where Will They Find Jobs, Robert P. Fischelis, **15**, 394, 1951.

Wilcox, Wayland Delano, Memorial to, Rufus A. Lyman, **18**, 354, 1954.

Wimmer, Curt P., A Memorial to, David Beiles, **15**, 615, 1951.

Winne, A. L. I., Memorial to, Wortley F. Rudd, **14**, 507, 1950.

Wolf, J. Carleton, Memorial to, B. Olive Cole, **19**, 231, 1955.

Women,

The History of Professional Pharmaceutical Fraternities for, Eunice R. Bonow, **18**, 409, 1954.

Pharmacy as a Profession for, Louise Hunkins, **16**, 349, 1952.

Women's (The) Section of the American Pharmaceutical Association, Eunice R. Bonow, **17**, 383, 1953.

World Congress for Pharmaceutical Education, Report of the Committee on, George Urdang, **14**, 453, 1950; **16**, 76, 1952.

Wurdack, John Herman, Memorial to, **19**, 230, 1955.

Z

Zufall, Chalmers Joseph, H. G. DeKay, C. L. Porter, Egil Ramstad, and C. O. Lee, **18**, 150, 1954.

The free and unselfish interchange of thoughts and ideas among teachers and administrators of our colleges has been one of the most cogent factors that has contributed to our progress.

Charles H. Rogers, Am. J. Pharm. Ed., 416 (1939)